

# THE TIMES

No 63,706

TUESDAY MAY 15 1990

30p

ALISTAIR GRANT

**Yazov warns of 'military concern'**

## Soviet army fear threatens arms treaty

From Michael Evans, Defence Correspondent, Moscow

**Weekend**  
THERE would be little chance of a conventional arms treaty this year unless new Soviet military concerns were taken into account, Marshal Dmitry Yazov, the newly promoted Soviet Defence Minister, warned yesterday.

After a meeting of over an hour with Mr Tom King, the Secretary of State for Defence, in Moscow, Marshal Yazov indicated that the military was now conducting some form of review of the arms control talks in Vienna.

His confirmation that the Soviet military was behind the sudden change of atmosphere at the Conventional Forces in Europe (CFE) talks provided further evidence that the armed services are playing a key role in slowing down the negotiations.

Standing next to Mr King inside the Ministry of Defence, Marshal Yazov said the changes which had been taking place in Eastern Europe and the prospective reunification of Germany, called for "some corrections" in the negotiations. He said the issues now at stake were touching on the interests of the military.

The defence minister cited, in particular, concern over the future status of the East German army and the present withdrawal of Soviet troops from Czechoslovakia and Hungary. These changes, Marshal Yazov said, affected the "quantitative side" of the Warsaw Pact forces. "Without

quantity you can't have quality. All this should be specified somehow (in the CFE talks)," he said.

Marshal Yazov, who was promoted from General by President Mikhail Gorbachov last month, made it clear that he wanted a firm link between the CFE talks and the question of German reunification. The impact of his words was not lost on Mr King, the first British defence minister to visit the Soviet Union since the Second World War.

Mr King said he would discuss Marshal Yazov's comments with his Nato colleagues at a meeting in Brussels next week. The Nato Defence Planning Committee is due to meet on Tuesday and Wednesday. The secretary of state also said the Nato negotiators in Vienna would have to be told, "I think the negotiations are getting tougher," Mr King said. "I hope it will be the final crunch before we get an agreement."

The change of mood at the CFE talks became apparent about two months ago when the Soviet negotiators introduced new problems, including a different definition of a main battle tank. Mr King said he had tried to reassure Marshal Yazov that Nato was a defensive alliance and that it was in Europe's interests for a united Germany to be in the Western alliance.

A 370-mile limit would affect the new American Tactical Air-to-Surface Missiles (TASMs) which the US wants to deploy in West Germany in the mid-1990s, making it harder for them to reach the Soviet Union. However, the limit would not apply to French and British TASMs.

In a more modest nod to Moscow, and in breach of traditional Nato policy, the US is also reportedly willing to agree to the idea of mutual declarations of numbers of nuclear-tipped cruise missiles produced for ships and submarines. The United States had wanted no legally binding limit on deployment of these missiles, while the Russians wanted a limit of 600 a side. Washington plans to produce 700 sea-launched cruise missiles over five years, but it is hinting that it might stick at that number for longer.

Meanwhile, reports in Washington yesterday suggested that when Mr James Baker, the American Secretary of State for Defence, arrives in Moscow today he is expected to offer concessions in a last-ditch effort to have the outline of an agreement limiting strategic nuclear arms ready for the full presidential summit in Washington in two weeks' time (Martin Fletcher writes).

This is the third pre-summit meeting of the two foreign ministers. American officials say the Russians began to backpedal on arms limitation agreements in Washington last April.

**Peaceful revolution, page 9**  
**Moscow commentary, page 9**  
**Cover Cruise O'Brien, page 12**

### INSIDE

## Producers' prices up 6%

Infation in factory output prices - which the Bank of England sees as a better guide to the underlying rate than the retail price index - rose last month to its highest for more than seven years, to 6.1 per cent. Meanwhile, the stock market shrugged off more bad news on inflation and closed 38.6 up at 2,214.5, after Wall Street soared ..... Page 25

### 'Sinister' hunt

Officers from 18 police forces are to carry out urgent further investigations after identifying "sinister issues" in 24 cases of bogus social workers entering homes to try to examine children ..... Page 2

### The Thinker

Peter Fowler, a 46-year-old computer software consultant, of Reading, Berkshire, beat 12 other finalists yesterday to win the 1990 Tournament of the Mind, the ultimate tournament devised by MENSA..... Page 18

### Taking off

Refurbishment of London Heathrow has improved the first and last impressions of Britain's gateway for millions of travellers. A Special Report on Terminal 3..... Pages 31-34

### M&S surprise

Marks & Spencer, the retailer, surprised the stock market with higher than expected profits of £604.2 million before tax, against £529 million last time ..... Page 25

### Lyle returns

Sandy Lyle, the former Masters golf champion, is planning to play more tournaments in Europe in a bid to regain form ..... Page 44

### Barnes switch

John Barnes will be used in an experimental central attacking role against Denmark at Wembley tonight..... page 44

### INDEX

Arts.....	16, 17
Business.....	25-30
Court & Social.....	14
Crosswords.....	22-24
Fashion.....	19
Law Report.....	21
Leading articles.....	13
Legal.....	20
Letters.....	13
Obituary.....	14
Preview.....	22
TV & Radio.....	23
Weather.....	24

\*\*\*\*\*



Govorukhin: A record of controversial films

From Mary Dejevsky  
Moscow

FIVE years of *glasnost* have broken many Soviet taboos, but every one of those still left - from Lenin, through the intrinsic superiority of socialism to the concept of *glasnost* itself - is smashed to smithereens in a new film scheduled for release in Moscow shortly.

*You Can't Live Like This* has been made by a 52-year-old producer, Stanislav Govorukhin, with a record of controversial film-making. His new film, however, transcends all previous bounds with a comprehensive indictment of everything that the Soviet Union is and stands for. The final verdict is that the Communist Party is irredeemable and should be brought to account for "crimes against the people" in a Nuremberg-style trial.

The film cannot be described as

directed against President Gorbachov or against *perestroika* or *glasnost* as such, although *glasnost* is dismissed as "another lie". It is directed against the whole course of Soviet history since 1917, beginning with the Bolsheviks and with Lenin.

At one point the film shows a photograph of the last Tsar and his family. Each child is identified with his or her name and the method of death: shot or bayoneted. "No one was brought to trial for this crime," says Govorukhin, who also narrates the film. "Ours is a society that was built on an unpunished crime."

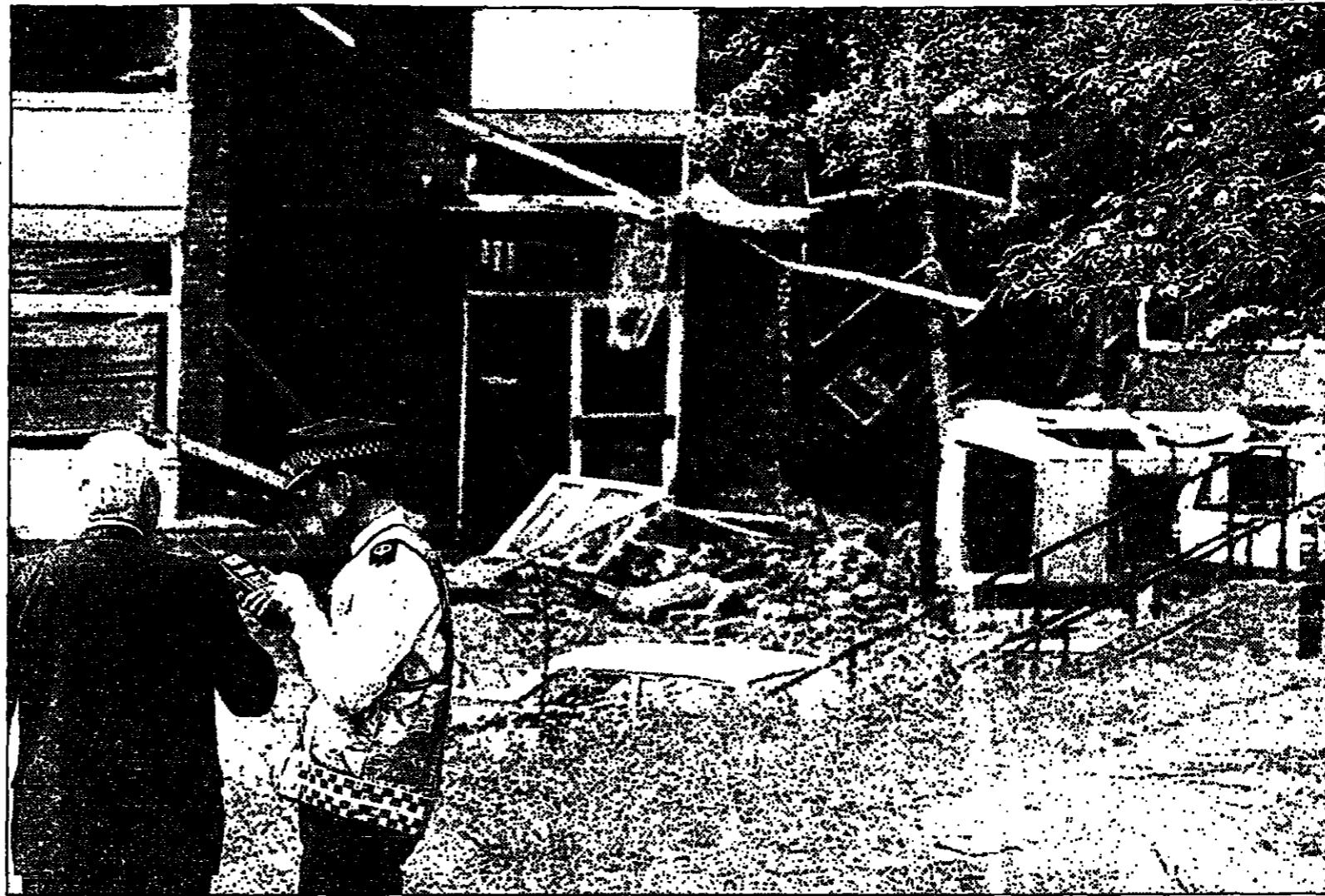
Crinality is a dominant theme of the film: from gruesome opening sequences of murderers and their victims, illustrating the rising tide of violent crime in the Soviet Union (a rise of 75 per cent in serious crime in Moscow

from 1988 to 1989), to accounts of the impotence of Soviet police in the face of civil unrest in the trans-Caucasus early this year. In between is evidence of the low regard in which Soviet police are held by the state that employs them, and by the public who depend on them for their safety.

Towards the end of the film Govorukhin contemplates the huge unofficial open-air market in the southern port of Odessa where, as he says, "everything can be had, at a price. Vast numbers of Soviet people, he says sadly, are forced by shortages to trade illegally. From that first step over the moral borderline, the distance to serious crime is that much shorter."

Govorukhin says that his film is addressed to the Soviet Union's ruling circles, old and new: its Politburo and

Continued on page 24, col 4



After the blast: Commander George Churchill-Coleman, head of Scotland Yard's anti-terrorist branch, at the site of the Eltham bombing yesterday

## Sell-off of power may be restricted

By David Young

THE Government is considering a significant change to its £10 billion plan for privatising the power industry because of advice that certain sectors should only be sold to the "sophisticated" investor.

The Government sold British Telecom, British Gas and the water industry to the new breed of private shareholders created by its policy of widening share ownership. While the impact of the bomb - packed with 5-10 lbs of high explosives, believed to be Semtex - blew out a large section of the front of a two-storey modern office block, the glass windows failed to shatter.

Commander George Churchill-Coleman, head of Scotland Yard's anti-terrorist branch, said: "This was clearly a timing device. Our examination now shows that it appears to have been buried in a flower bed and would not have been visible to the naked eye."

Yesterday morning's blast, for which the IRA admitted responsibility, was condemned by politicians of all parties, but raised further

questions about low-key security at "soft" military targets. Residents living near by complained that there were no guards on the premises and that pensioners from the nearby home for the elderly often wandered into the grounds unchallenged. However, the Ministry of Defence refused to discuss the level of security at Eltham.

Anti-terrorist squad officers and politicians yesterday viewed the attack as part of the IRA's continued assault on mainland military establishments.

Mr Archie Hamilton, the Armed Forces Minister, said after he examined the debris: "It is an absolutely despicable crime." He said the injured - and particularly Mr Trevor Hills, aged 47, from Winchester, who was only 20 ft from the seat of the explosion, and was the most seriously hurt - were "very lucky to be alive".

Mr Hills, two other men and four women, all of whom had been working inside the building, were taken to Brook Hospital, Shooters Hill. Mr Hills was last night described as "comfortable" with two broken ribs and minor injuries to his head. The other six were

discharged after treatment for shock, cuts and abrasions.

The bomb went off at 9.57am. One car parked nearby was overturned by the blast and others severely damaged. Windows were blown out of several nearby homes, but no residents were injured.

Lieutenant Colonel John Simmonds, commanding officer at the unit - which administers the education service for army personnel and their children at home and abroad - was in his second floor office when the bomb went off.

"It was three minutes to 10, I know because the clock on the wall stopped," he said. "There was a tremendous explosion, my windows started to come in but fortunately three weeks ago they were reinforced against such an eventuality. There was a tremendous amount of smoke."

Police were still combing the area yesterday, and Commander Churchill-Coleman said it would take several days to examine the site. Staff returned to the building later to pick up what personal effects were still intact.

Political reaction, page 2

film campaign, page 2

## 979 hospital beds closed in London

By Jill Sherman, Social Services Correspondent

MORE than 11 per cent of inner London beds have closed in the last six months because of financial difficulties, according to a survey published yesterday.

The study from the London Health Emergency group shows that the nine key inner London health districts have closed 979 beds since last autumn, out of a total of 8,901. Managers yesterday said further bed closures are likely this year if inflation stays at its present level.

They argued that they had been forced to implement bed cuts or to continue bed closures from last year due to underfunding of health service pay awards and higher than expected levels of inflation this year. "We have already put aside 0.6 per cent or £600,000 for inflation adjust-

ments but it now looks as if this will not be enough," said Mr Peter Jennings, finance director of City and Hackney health authority. The district cannot afford to reopen 147 beds which were closed at St Bartholomew's and Homerton hospitals last October because of financial difficulties.

Almost 10,000 fewer patients are to be treated in just three of the nine inner London districts, says the survey. Parkside health authority in north-west London aims to treat 2,500 fewer patients. Riverside district in west London is to treat 3,500 fewer patients and Wandsworth in south-west London plans to cut its workload by 3,900 patients.

Letters, page 13

Introducing a very appetizing new mortgage.

It gives you jam today, jam tomorrow and jam the day after.

**14.25% (15.3%)**  
Typical APR

In the short term, it reduces your interest rate to just 14.25% (15.3% APR) - and that's a capped rate which can't rise above that level.

But if rates fall in the medium term, you win again - because up to June 30th 1992 the rate falls in line with the market.

So what happens on June 30th 1992? You get a choice. Either you can switch into a new, two-year fixed rate, in line with the market, or you can move into a "stabilised" variable rate. (That means that if you want to, you can choose your own repayment level, with a minimum of 3.25% below the variable rate when the variable rate is higher than your repayment rate; the unpaid interest rolls up and is added to the sum borrowed, and when it's lower, you can clear the rolled-up interest.)

For written details, call John Charcol, a licensed credit broker, on (071) 589 7080. Or write to us at Mercury House, 195 Knightsbridge, London SW7 1RE.

**FIMBRA**

**JOHN CHARCOL**  
Talk about a better mortgage.  
071-589-7080

The product advertised here is not regulated by the Financial Services Act 1986 and the rules made for the protection of investors by that Act will not apply to it. Credit broker fees may be charged depending on the type of product and credit period, and insurance may also be required. Your home is at risk if you do not keep up repayments on a mortgage or other loan secured on it.



## Thatcher welcomes Murdoch Chair at Oxford

By Douglas Broom  
Education Reporter

THE Prime Minister welcomed yesterday the announcement that News International plc, parent company of *The Times*, is to give £3 million to establish a professorial chair at Oxford University to study the impact of the media on the English language.

The first holder of the Rupert Murdoch Chair in Language and Communications, named after the chief executive of The News Corporation, will be elected later this year.

The gift, which was made on the personal initiative of Mr Murdoch, will also fund three *Times* lectureships in English and endow a News International Research Fund. It takes the total donated to the university's fund-raising Campaign for Oxford to £10 million, half way to its target of £220 million by 1993 to secure Oxford's future.

In her strongest endorsement of Oxford's fund-raising drive, which began almost two years ago, Mrs Thatcher said she hoped Mr Murdoch's gift would lead others to give generously and help Oxford.

The Prime Minister has given a substantial private donation to her old Oxford college, Somerville. She said yesterday that the Campaign for Oxford was "doing us a great service in leading the way towards better, stronger, more autonomous universities". She had "long believed in the supreme importance of universities in the life of the nation and the pre-eminence of Oxford within the British university system."

In future, students of English at Oxford will have the opportunity to experience life in newspapers, radio and television through a vacation work-placement scheme to be established by News International.

Mr Murdoch, who was unable to attend a London press conference to announce the gift, because of influenza, graduated from Oxford in 1953, having read politics, philosophy and economics at Worcester College.

Sir Patrick Neill QC, president of the Campaign for Oxford and Warden of All Souls College, said: "The new chair will provide leadership in the study of modern media and communications and their influence on the way English is used in contemporary society."

There was already intense interest in the media among staff and students and the new money would lead to a great expansion of its study at Oxford. He added: "This gift will permanently associate Oxford, an international university, with a global industry and with a man whose keen understanding of mass communications has brought him to a pre-eminent position in the media world."

Dr Glenn Black, Fellow and tutor at Oriel College, said he believed the work placement scheme would prove popular with students who were seeking careers in the media.

## Tale of two soldiers in the aftermath of battle

By Alan Hamilton

A FALKLANDS campaign veteran who suffered severe injuries in the bombing of the Sir Galahad eight years ago was found guilty yesterday of inflicting grievous bodily harm on his girl friend during a drunken argument.

Mark Richard, aged 27, of Solihull, West Midlands, a former paratrooper, was put on probation for two years at Warwick Crown Court yesterday after being found guilty of smashing a poker over the head of Miss Helen Nash after a heavy drinking session. Richard's defence lawyer told the court that his client had become dependent on alcohol, brought about by the experience of the Falklands and the injuries he had suffered there.

The case was heard only two days after the much-publicised wedding of Mr Simon Weston, a former Welsh Guardsman who suffered horrific burns in the same attack and who survived eight years of physical and psychological struggle. The two contrasting cases have highlighted the long-term effects of what used to be called shell shock, but which since the Vietnam War has been named post-traumatic stress disorder.

Mr Weston and Mr Richard are two of the most seriously injured survivors of the Argentine attack on the Sir Galahad, in which 43 died. Six survivors are still attending the Queen Elizabeth Military

Hospital at Woolwich for treatment for their burns.

Mr Christopher Bright, for the prosecution at Warwick Crown Court yesterday, said that Miss Nash had been living with Richard for about a year, but drank heavily because of his injuries. Two days after Christmas, the couple had a dispute during which Richard threatened Miss Nash with a carving knife, bit her on the wrists and threatened to kill her. He then punched her in the face a number of times before picking up a poker and hitting her over the head with it. Miss Nash suffered a fractured jaw, a black eye, a loose tooth and bruising.

The court heard that since leaving the Parachute Regiment, Richard had had a number of convictions.



Mr. Weston: Years of struggle preceded wedding

lier this year, he was put on probation by the same judge for theft. He was now responding well to his earlier probation order and was receiving help for his drink problem, his defence counsel said.

Judge Michael Harrison told him: "The Falklands was a long time ago and the time has run out for you to be granted any sort of special treatment. The question is whether you get one last chance, and I will give you that chance."

A group of Falklands veterans recently underwent clinical trials at the Haslar Naval Hospital, Portsmouth, in an effort to establish some evidence of delayed trauma, and the British arm of the World Veterans' Federation has announced that it is about to investigate the possibility of a major international study into late-onset trauma.

Mr Michael Day, the British Legion official responsible for veterans' pensions, said yesterday: "Studies have shown that about 40 per cent of all prisoners of war from the Far East campaign of the Second World War now exhibit some sort of psychological condition, from nightmares to heart trouble, as a result of their experiences." The legion was pressing for closer cooperation with the Ministry of Defence to trace victims of delayed shock, and to offer them help, he said.

### M1 CRASH INQUEST

## Co-pilot told captain wrong engine was on fire

By Harvey Elliott

IT TOOK less than 19 seconds for the co-pilot of the British Midland jet which crashed onto the M1 last year with the loss of 47 lives to decide — wrongly — that there were problems in the aircraft's right-hand engine, but not before he had changed his mind in mid-sentence, an inquest jury was told yesterday.

Readings from the aircraft's cockpit voice recorder, the court was told, showed that one second after flight BD92 was hit by severe vibration and a smell of smoke in the cockpit. First Officer David McClelland said, "We've got a fire", and the auto-pilot on which the aircraft was flying at 30,000ft from Heathrow to Belfast on January 8 last year was switched off.

Eight seconds later he told Captain Kevin Hunt: "It's a \*\*\* fire, Kevin, coming through." "Which one is it though?" the captain asked Mr McClelland. It was by now 14 seconds after the vibrations began, during which instrument readings showed the left-hand engine vibrating and

the speed of its shaft fluctuating wildly. "It's the le... it's the right one", Mr McClelland said, to be told immediately, "OK, throttle it back."

Before doing so the aircraft's automatic throttle was disconnected. Mr John Payling, the Department of Transport's air accident investigation branch senior inspector, said the effect was to prevent automatic input of extra fuel into the badly damaged left-hand engine and cause it to run almost normally, except for continued high vibration readings on the cockpit instruments.

Mr Payling said that was fortuitous rather than a coincidence. "The commander told me later that when he throttled back the right-hand engine it reduced the smell and the smoke and he remembered no continuation after the throttle was closed."

A total of 43 seconds elapsed from the time the jet first showed signs of trouble to the captain ordering: "Shut it down". As the first officer began to read the checklist for shutting down, however, the captain said: "It seems to be running all right now. Let's see if it comes in." Mr McClelland told him: "We have stabilized but we still have the smoke."

They were then interrupted by a series of radio messages both from air traffic control, British Midland's Operations Department and other aircraft in the vicinity but again the captain said: "Shut it down". Two minutes seven seconds after the start of the vibration, the aircraft was five miles south of East Midlands Airport and the right-hand engine was closed down completely.

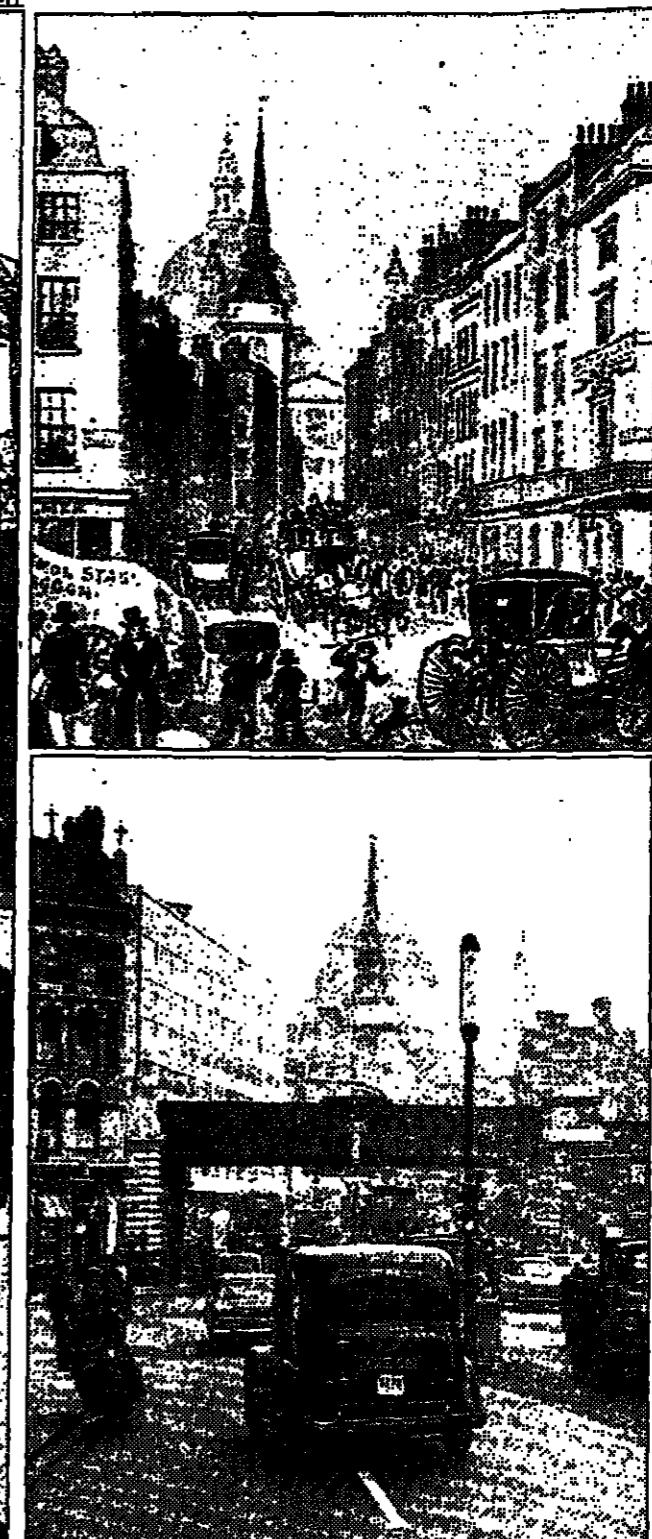
The flight data recorder indicated that the left-hand engine appeared to continue to operate normally. Mr Payling said, although the vibration indicator was still high, in a statement later, Captain Hunt repeated that as the smell and the smoke disappeared from the flight deck he was convinced he had taken the right decision.

Although the vibration continued to remain above normal they continued to fly towards what they hoped would be a normal landing and made several radio messages as they approached the airport. The crew's workload was very high. Mr Payling said, and they had been distracted by other aircraft on the same frequency.

At a height of 900ft and 2.4 miles from the airport, the flight data recorder showed "an abrupt decrease in power from the left-hand engine", Mr Payling said. The commander told the first officer to try to re-start the right engine and although he received a warning of a fire in the left-hand engine, decided not to shut it down. Two seconds before the aircraft crashed it was travelling at a speed of 115 knots, too slow to re-start an engine automatically. The inquest continues today.



Changing views: St Paul's seen from Fleet Street yesterday (left). The same view looking past Ludgate Circus in 1830 (top right) and in 1961 (below). The railway bridge, which has spanned the road since 1865, was dismantled on Sunday to make way for a £360 million development



But time has not stood still at Purdey. It has moved with measured precision. The latest example of the work that makes the name Purdey synonymous with perfection is, like every Purdey gun, built to the personal measurements and sporting requirements of one individual. It is an extension of the shooter's arm.

Purdey make only 60 or 70 guns a year and it takes several men many months to make just one gun. But each man is a specialist and each part of the gun is engraved with the craftsman's own initials.

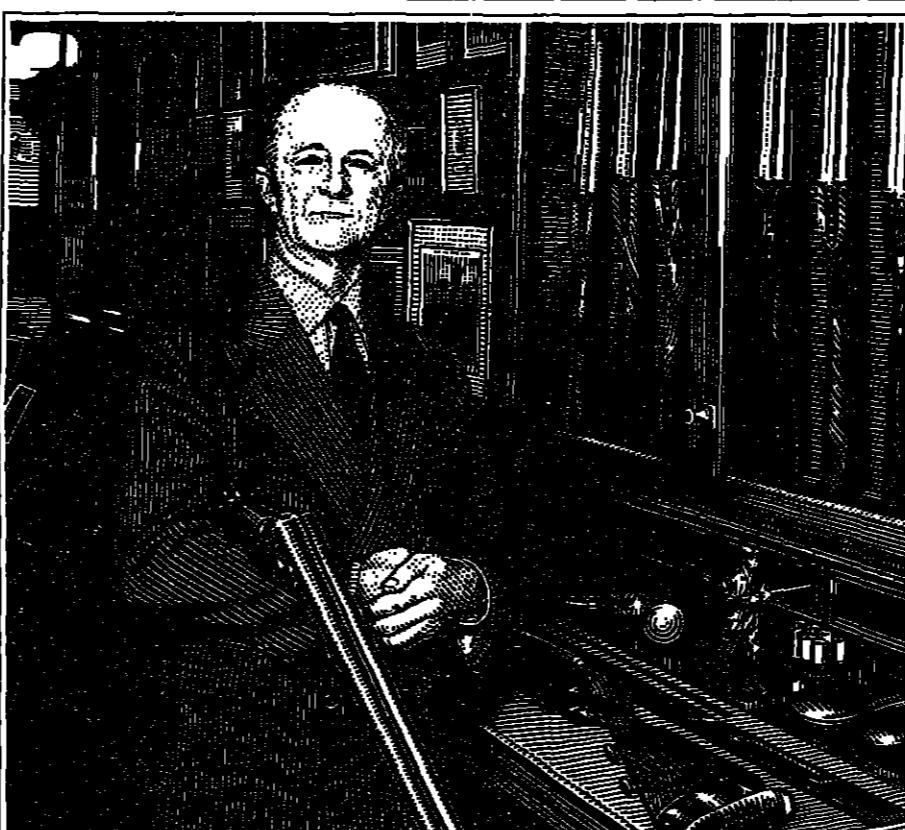
Richard Beaumont also shares this sense of pride in work well done. "Hand-made things have a different quality. They have been created by someone, not by a machine."

For this reason he has complete confidence in his Rolex watch, which he describes with quiet appreciation as "a lovely thing".

When handling one of his own guns or when consulting the watch on his

wrist, Richard Beaumont knows that he is in touch with the kind of qualities which he most admires: personal skills that can coax the highest degree of efficiency and beauty from basic materials.

Purdey guns and Rolex watches both take time and expertise to create. But above all, they are fashioned by people who still care to do things well for people who can recognise that care has been taken.



## Purdey guns have been taking their time since 1814.

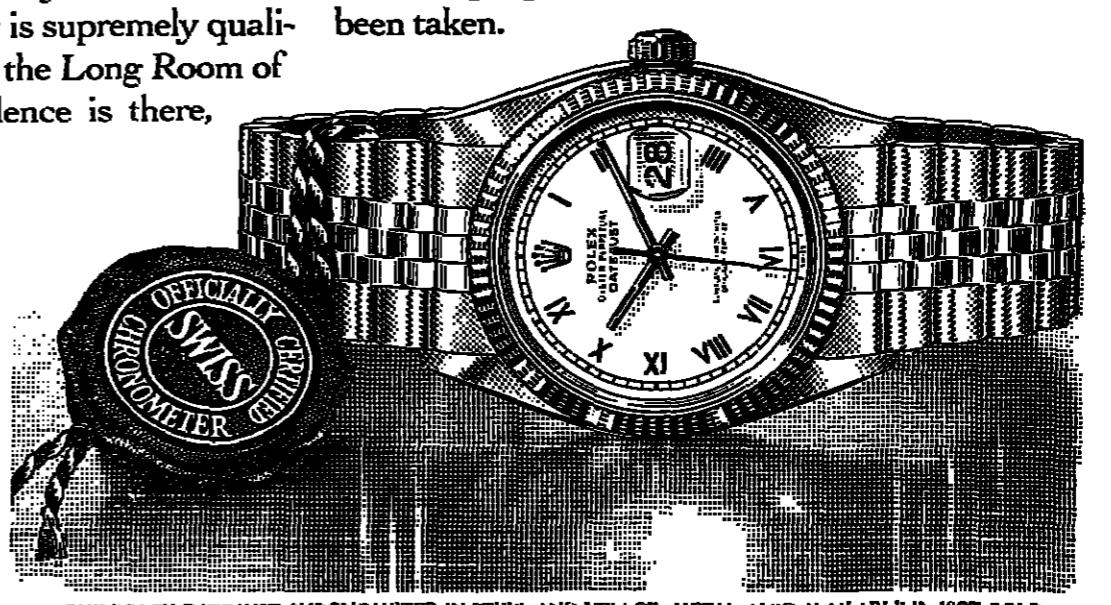
Three years could pass before a sportsman sets his sights on owning a Purdey gun. That is how long it could take from order to delivery. But any expert on fine guns would reckon it time well spent.



THERE ARE FINE ENGRAVERS AMONG PURDEY'S CRAFTSMEN.

As Chairman of James Purdey and Sons, the Honourable Richard Beaumont is supremely qualified to confirm this view. And in the Long Room of Purdey's headquarters the evidence is there, all around him.

A Georgian silhouette of the first James Purdey, a barrel-maker in the City of London, looks towards the portrait of 'James the First', who founded the family firm in 1814. Since then, Purdeys have been gun-makers to the Royal Household from Queen Victoria to the present day.



THE ROLEX DATEJUST CHRONOMETRE IN STEEL AND YELLOW METAL ALSO AVAILABLE IN 18CT GOLD OR IN STEEL WITH WHITE METAL BEZEL



DETONATING AN ACTION.

Only a select group of jewellers sell Rolex watches. For the address of your nearest Rolex jeweller, and for further information on the complete range of Rolex watches, write to The Rolex Watch Company Limited, 1 Green Street, London W1Y 4JY or telephone 0171 629 5071.

# MoD challenged on mock attacks by low-flying jets

By Sheila Gunn, Political Reporter

THE Ministry of Defence has been challenged to admit that schools, hospitals, private cars and homes are targeted for mock attacks by low-flying Royal Air Force fighter pilots.

After hundreds of protests to MPs about low-flying sorties, the Commons defence committee called for publication of the classified document listing areas where pilots are allowed to fly at between 250ft and 600ft at speeds of up to 550 knots.

It also urged a stop on all sorties under 100ft and flying under 250ft to be phased out within two years in the light of improved East/West relations. Flights under 100ft are carried out in mid-Wales, the Scottish Borders and southwest and north Scotland.

The Tory-dominated committee backs the ministry's case for continuing low-flying practice flights at the upper height limits with more information to reassure the public and research on using flight simulators. It emphasizes that the pilots are not out "for a joy ride" as many complainants seemed to think, but that low-flying practice is carried out to train pilots in line with Nato

tactics. The committee received complaints that motorists were driven off the road, of pieces of fighter aircraft dropping off and mock dive-bomb attacks on homes, hospitals and schools. Most were in mid-Wales and Scotland, singled out for training because of low population.

Among evidence to the committee was a piece of a fuel tank which had fallen off a Jaguar aircraft from RAF Coltishall into a garden at St Boswell, Roxburgh.

The report discloses that Sir David Steel, former leader of the Liberal Party, clashed with the Ministry of Defence over the alleged targeting of Thirllestane Castle, near Lanark, in the Scottish Borders, where a USAF F-111 crashed in 1987. Sir David is a Privy Councillor but he was not allowed to see the list of targets.

The committee said: "We have received several letters from people who have been so badly startled by aircraft while driving that they felt an accident was only narrowly avoided, and one from a resident of Argyll who drove into a ditch beside the A83 after such an

House of Commons defence committee 5th report: low-flying (Stationery Office, £28)

## 'Enemy aliens' remember war

Birth rate going up 'faster than ever before'

By Thomson Prentice  
Science Correspondent

THE population of the world is increasing faster now than ever before, with a billion extra people - equivalent to a whole new China - likely to be born before the end of the century, a United Nations report said yesterday.

The present population of 5.3 billion is being swelled by the birth of about 250,000 babies a day, or three a second. Between 90 million and 100 million people will be added to the global total every year this decade.

The UN report says the consequences could be catastrophic as the fastest growth is expected in the poorest countries, adding environmental mayhem to the havoc caused by industrialized nations. "The next 10 years will decide the shape of the 21st century," Dr Nafis Sadik, executive director of the United Nations Population Fund, said at the launch of the report in London yesterday. "They may decide the future of the Earth as a habitation for humans."

The world population may treble, or merely double during the next century, largely as a result of the decisions we make now," she said.

The forecasts in the report, *The State of the World's Population 1990*, are more ominous than those produced by the agency in recent years. In 1986, when it seemed that birth rates were slowing everywhere except Africa and parts of south Asia, it was projected that the world population would reach 6.122 million by 1990.

The figure was raised to 6.251 million last year, enough extra people to populate Japan, and the United Nations now expects 8.467 million people to be alive by 2025, which is double the number in 1960.

Dr Sadik said progress in reducing birth rates through family planning programmes had been slower than expected and the birth rate has been rising rather than falling in many countries. "The choice must be to act decisively to slow population growth, attack poverty and protect the environment. The alternative is to hand-on to our children a poisoned chalice," she said.

The report draws a stark contrast between the over-crowded and impoverished southern hemisphere, where the population will increase by 95 per cent in the next 35 years, and the ageing northern hemisphere, where life expectancy is steadily increasing and birth rates are declining below "replacement level". This is the number of children couples must have to replace themselves.

The United Nations says the southern half of the globe contains the "bottom billion", who live in poverty and threaten land degradation and destruction of the rain forests. The industrialized nations house the "top billion", who have the biggest share of resources and create the most waste.

"These are the countries overwhelmingly responsible for damage to the ozone layer and acidification, as well as for roughly two-thirds of global warming," the researchers say. The report calls for all countries to move towards cleaner technologies, energy efficiency and resource conservation.

The researchers say they should wage a "direct and all-out attack" on poverty and reduce overall rates of population growth.

The agency says family planning methods will have to be introduced to 210 million more women in developing countries - an increase of about 60 per cent - by the end of this century. This would cost about £5.35 billion a year.

## Warning to Tories over green issues

By Robin Oakley, Political Editor

MR JONATHON Porritt, director of Friends of the Earth, accused the Government yesterday of taking a calculated gamble that environmental issues would not feature at the next election and of failing to deliver on the "green" expectations they had aroused. He said that time was running out for them in terms of establishing their green credentials.

The White Paper on the environment this autumn, he said, was the Government's last chance to convince the environmental organizations. He gave warning that if it was long on generalization and short on action the green movement would "make life very difficult for the Government between now and the next election".

He described British attempts to act as an "honest broker" between countries such as the United States and Japan, who wanted to wait for harder evidence on global warming, and the European countries, anxious to take precautionary measures, as an "invidious role" which represented "clear guilt by association" with the US.

## How to reduce every mortgage payment for a year by £400.

*Take the Initiative.*

If you're in the market for a large mortgage, Initiative 90 may well be exactly what you need.

Initiative 90 is a serious attempt by one of Britain's biggest building societies to ease the problems associated with today's high interest rates. It offers genuine reductions on virtually every size and type of mortgage, and the larger the mortgage the larger the discount.

For example, a £60,000 mortgage qualifies for a special 0.65% discount for three years. And there's a further reduction on mortgages of £120,000 or more, which when combined with the three-year low-start scheme gives you a 3.9% reduction in year one. So, on a mortgage of, say, £130,000 you can reduce your monthly payments in the first year by a hefty £416\*.

To find out just how much you could expect to save, just call in to your nearest Nationwide Anglia branch. Our trained professional staff

will give you instant decisions and help all the way.

Or simply send off now for the Initiative 90 leaflets that interest you.

We've taken an Initiative to bring down the cost of mortgages. Why don't you do the same?

To Sue Edmonds, Nationwide Anglia Building Society, FREEPOST, PO Box 46, Heathrow, Hounslow, TW4 5BR.  
Please send me the following information on Initiative 90.  
I'm a first time buyer  I'm a subsequent buyer   
I wish to remortgage

Name \_\_\_\_\_

Address \_\_\_\_\_

Postcode \_\_\_\_\_

IL71.20



Helping you make the most of your money

\*APR shows cost of £60,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £75,000 property (Mortgage Valuation Fee £120. Mortgage payments must be by automatic transfer from a Flexicard or by direct debit. The advance can be up to 90% of purchase price £36,000. £645.32, yr 1-3. £637.75. Typically, a couple (25, male and female, aged 25, both with a current gross income of £16,000) would pay an endowment premium of £1,044. APR assumes that mortgage rate shown will not change after third year. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have 100 monthly repayments. Total amount payable £290,442.1 APR shows cost of £130,000 loan assuming 14.75% discounted mortgage rate in years 1-3. (Endowment) on £150,000 property (Mortgage Valuation Fee £120 and £300 redemption fees are included in the example. On a 25 year mortgage borrower would have

# Judge stops DIY store trading on Sunday

By Staff Reporters

A YORKSHIRE local authority was yesterday granted an immediate temporary injunction banning Sunday trading in breach of the Shops Act at two DIY centres in its area. The injunction granted to Kirklees Borough Council by Mr Justice Mervyn Davies will remain in force until the full hearing of the council's application for a permanent ban, which could be in a year's time.

In a ruling that will be of importance to all local authorities in England and Wales, the judge refused to accept an undertaking from the council — as the price of granting the injunction — that it should be liable to pay damages if Wickes Building Supplies eventually succeeds in the legal battle. Wickes was refused a stay of the injunction pending appeal, so that the order which bans it from trading on Sundays in breach of the Shops Act at its stores in

## Decision 'makes law more confused'

By Della Matthews

THE decision to grant an immediate temporary injunction against Wickes Building Supplies, banning it from opening two stores on Sundays, made the law more confused, critics said yesterday.

Mr David Blackmore, of the Keep Sunday Special Campaign, said, however: "It is very good news for democracy and the rule of law. We hope that all local authorities will be encouraged to take effective action. It is the highest court to decide on the issue so far and it will be binding on all other lower courts."

He said the decision was bound to affect the outcome of next Tuesday's case between B&Q and Torfaen Borough Council in Wales. He denied claims by pro-Sunday traders who said the judgement only made the law more confusing after a decision in December not to grant Stoke-on-Trent City Council an injunction against B&Q.

Mr Andrew Currie, of the Shopping Hours Reform Council, said: "Of course this judgement is important and retailers are watching to see how other courts will decide." He added, however: "There does not seem to be any agreement on the legislative level. This is bound to confuse people."

He believed yesterday's judgement would not open the floodgates of actions by other councils. Mr Tim Stephenson, legal adviser to the Federation of Multiple DIY Retailers, said the judgement could affect the outcome of the test case between Stoke-on-Trent and B&Q in July.

A spokesman for WH Smith Do-It-All stores said: "Obviously we are disappointed at the decision. It just supports our view that the law is very confused. We will just have to wait and see what Kirklees does about our Huddersfield store. However, wherever it is possible, we will continue to trade on Sundays because that is what our customers want."



Mr Justice Mervyn Davies: "A serious issue"

## £12m modern plant for Scots cheddar

By Kerry Gill

THE ubiquitous Scottish cheddar cheese, which appears in hard, orange blocks on corner shop counters from the Shetlands to Gretna Green, is to fight encroachments from paler foreign varieties through a new investment in south-west Scotland.

The Scottish Milk Marketing Board (SMMB), the Co-op and St Ivel announced a joint venture yesterday to spend £12 million on a modern cheese-making facility at the Galloway Creamery, Stranraer. The initiative, a spokeswoman for the partnership said, will take one of the Scots' favourite foodstuffs into the 21st century, and more importantly, will curb imports of English and Canadian cheddar cheese.

The partners will trade as the Galloway Cheese Company and expect to produce up to 15,000 tonnes of the cheese every year — enough, they believe, to satisfy the insatiable demand of the Scots and continue to tempt the English palate.

During the reconstruction,

cheese-making will continue at Mauchline, Strathclyde, and Sorbie, Dumfries and Galloway. When the new plant is completed next spring, production will cease, with the loss of 116 jobs. The staff at the Galloway Creamery will be sufficient to man the modern factory.

Mr Adam McCartney, managing director of the Scottish Pride division of the SMMB, said: "The new plant will provide a much-needed economy of scale and, consequently, will ensure that the cheese industry in south-west Scotland is well placed to maintain and develop its competitive advantage."

He said the partners regretted the job losses but the new plant was vital if the long-term future of Scottish cheddar was to be secured.

Cheese has been produced at Sorbie since 1891 but the old factory was demolished in 1974 when the A746 road was re-routed over the site. The Galloway Creamery at Stranraer is owned and operated by Scottish Pride.

## Conservation campaign on the wild side

CHRIS HARRIS



Flowers of the field: Susan Pile, aged 10, in a field of cow parsley at the launch yesterday in Regent's Park, London, of Wildflower Week, to run from May 19 to 28. She was one of a group of pupils promoting conservation from Hallfield Primary School, Bayswater, London

## Dublin vote on women priests

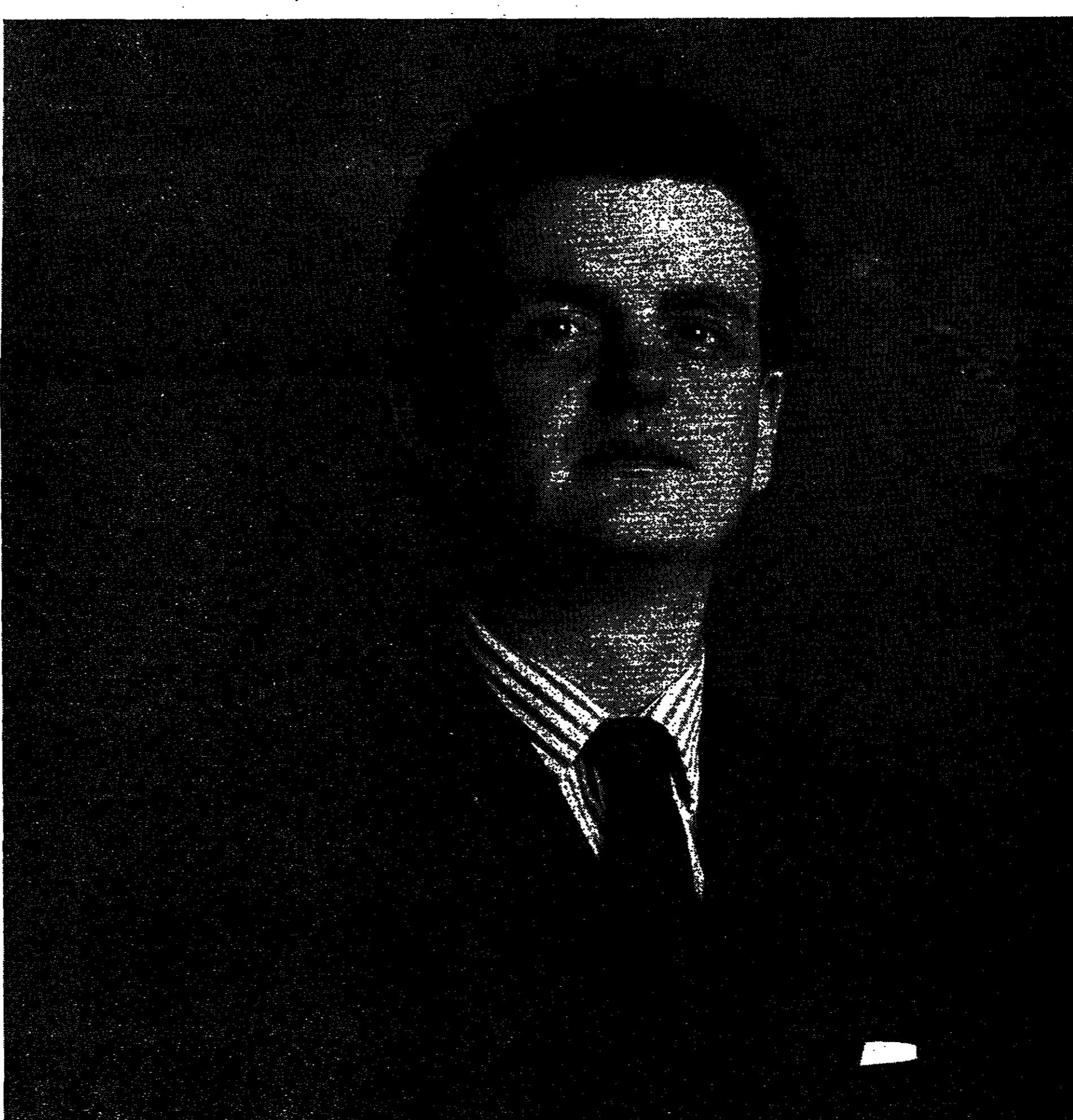
Edward Gorman  
Irish Affairs  
Correspondent

THE General Synod of the Church of Ireland meets in Dublin today in the expectation that it will approve a draft measure allowing the ordination of women as priests and bishops. It accepted the general principle last year.

The outcome of a crucial debate due this afternoon on the matter is still uncertain, however, as it will require a two-thirds majority. Churchmen anticipate overwhelming backing from lay members of the Synod, but among the clergy the vote is expected to be much closer.

If the vote is carried it will make the Church of Ireland the first among the four Anglican provinces of the British Isles to do so. It follows the removal of legal obstacles to the ordination of women at last year's Synod.

The debate will be chaired by Dr Robin Eames, the Archbishop of Armagh, who is chairman of the Archbishop of Canterbury's commission on women and the episcopate. Dr Eames will open the Synod with a presidential address in which he is expected to discuss not only the ordination of women but also the Western hostages in Beirut.



This man earns £19,000 a year.

This advertisement hopes to raise money for people like him.

His salary will hardly come as a great surprise, when you learn that he's already well on his way to becoming a solicitor in the 1990s.

What might take you aback, however, is the fact that he's blind.

At the Royal National Institute for the Blind, we'd like to see the day when you won't bat an eyelid at the idea of a blind solicitor.

And we're working to bring that day within sight. From an early age, the children at RNIB New College, Worcester, learn all the subjects taught in ordinary schools. Most go on to higher education, and eventually develop successful careers.

The RNIB Employment Network gives blind adults, including those who've lost their sight in later life, the chance to retrain or learn the new skills they need to help them find work in a sighted world. Of course, just as with sighted people, not all will be as successful as the young man above.

But we believe that each and every one should, at the very least, be given the chance to reach the full extent of his or her potential.

Needless to say, this costs money. That's why the RNIB Looking Glass Appeal has now been set up to help fund our schools, colleges, and all the other services we run to help Britain's one million blind

and partially sighted people live their lives to the full. We need to raise £10 million, and every penny counts. Please give what you can.

I enclose a cheque payable to RNIB or please charge my Access  Visa  card with the amount of £ TWS1

Acc. No. 1000000000000000

Name 1000000000000000

Address 1000000000000000

Postcode 1000000000000000

RNIB, Freepost 26, London W1E 3QZ  
For credit card donations ring Charline 0899 777772. Calls charged at 25p per min cheap rate, 38p per min at peak rate, 17.5p per min of call charge goes to RNIB.

**RNIB**  
LOOKING  
GLASS  
APPEAL

# Audit Commission to scrutinize administration of poll tax

By Nicholas Wood  
Political Correspondent

THE Audit Commission is to carry out an investigation into the administration of the community charge, it was announced yesterday.

The independent local authority watchdog will examine how councils have compiled registers of charge payers, sent out bills, calculated rebates and how they are pursuing those who default on payments. The study will throw new light on Labour's claim that the poll tax is an expensive way of raising local revenue. Mr Howard Davies, Controller

of the Audit Commission, said: "It is our aim to draw conclusions sufficiently early to provide guidance before the second year's operation of the community charge, so we can assist authorities in adjusting practices to improve the efficiency of the service next year. We shall issue good practice bulletins from time to time."

The Department of the Environment said yesterday that the Government had always accepted that the community charge would cost twice as much to administer as domestic rates because twice as many people had to pay it. This year's revenue support grant settlement

had included £400 million to cover the cost of administering the new charge, and the Government gave local authorities an extra £10 million last year to cover staffing costs and a further £160 million for new computer systems.

Mr David Blunkett, Labour's local government spokesman, said: "he believed the commission's survey of local authorities would expose the extent of the bureaucratic waste created by the poll tax. The evidence so far is very clear. The poll tax is very expensive to administer and collect and is creating administrative difficulties in many local authorities across the country," he said.

"The Government has made inadequate provision for the costs of collecting the tax and this has added to poll tax problems and reduced the cash available for essential services."

"We estimate that the new system could be between 2½ and 3 times more expensive than rates. It is an inefficient and bureaucratic system, which needs abolition, not improvement."

A report prepared by the Institute of Fiscal Studies last month, on the basis of evidence supplied by the Institute of Revenues, Rating and Rating, confirmed that the administrative costs of the community charge were twice as

high as those for the rates. The researchers found there was a great deal of variation in the methods local authorities used for registration and payment.

Most authorities had obtained poll tax registration returns from a high proportion of their households after a short period of time. The report concluded that the high administrative costs were not the result of obstruction by local residents, but were inherent in the charge itself.

A survey carried out by the National Association of Citizens Advice Bureaux last month found that many people were suffering distress and anxiety because of failings in the rules and procedures governing the new charge. Problems included tenants being made homeless or threatened with eviction by landlords who ordered them not to register for the tax or who falsely claimed that they had already been registered.

Community charge registration forms had generated a large number of inquiries to local Citizens' Advice offices. The association has urged the Government to extend the automatic backdating of rebate claims from 56 days to 112 days to increase take-up and avoid unnecessary delays.

TIM OCKENDEN

## Woolf to set up investigative unit for prison inquiry

By Quentin Cowdry, Home Affairs Correspondent

LORD Justice Woolf, who is heading the Government inquiry into the Strangeways jail riot and its aftermath, is to set up an investigative unit to provide a "second opinion" on contentious facts raised during the hearings.

Opening a short preliminary hearing in London yesterday, the senior Appeal Court judge made plain his determination that the inquiry should embrace all the possible underlying causes of last month's prison disturbances, as well as the immediate factors. However, the judge, who has a formidable reputation as an inquisitor, said he also wanted to ensure that the inquiry was not compromised by the "closed" nature of the

prison service and the difficulty interested parties might have in corroborating the prison service.

As a result, he intended to appoint a small team of officials, consisting of four former prison governors, who would independently scrutinize certain facts and "independently examine and check" the version of events offered by the Home Office's prison department.

Lord Justice Woolf's definition of the background causes of the jail riots, which began when an estimated 1,000 prisoners ran amok at Strangeways prison, Manchester, on April 1, appeared to confirm beyond doubt his reported desire that the investi-

gation should be one of the most thorough ever conducted into the prison service.

Lord Justice Woolf said he had already identified certain possibly salient "underlying factors". These included over-crowding, prison regimens, the size and design of jails and the number of, and conditions for, remand prisoners.

Other background issues needed to be examined, he said, including staff/prisoner ratios and relationships, the treatment of special groups of prisoners such as sex offenders and the mentally ill, the adequacy of bail hostels and the possible need for greater use of non-custodial penalties and the conditions of service and role of prison officers.

He was satisfied that the need was for an exercise that went beyond a "purely factual investigation" of the disturbances at the six jails covered by the inquiry's remit.

The inquiry will be conducted in public in two stages. The first, beginning in Manchester on June 11 and later moving to venues in Bristol and London, will confine itself to establishing the facts immediately preceding and including the riots at Strangeways, Bristol, Cardiff and Dartmoor prisons and Glen Parva and Pucklechurch remand centres. The aim is to conclude this part by August 3.

The second stage will comprise a series of seminars, to be held during October, at which the inquiry panel will discuss specific issues with "invited panel experts". This will probably mean the final report will be published early in the New Year.

Lord Justice Woolf said he was fortunate to have the help of three formidable assessors, two of whom — Mr Gordon Lakes, a former deputy director of the prison service, and Professor Rod Morgan, a Bristol University lecturer — were highly respected penologists, while the third, Mrs Mary Tuck, former head of the Home Office's research and planning unit, would be well placed to advise on the inquiry's methodology. Applications for legal representation by the Prison Officers' Association, the Prison Governors' Association and the Home Office were granted.

Young offenders should be given more responsibility to help them keep out of trouble, the Princess Royal told a seminar in Durham yesterday. The Princess said the United Nations' 42-point convention on children's rights did not "say enough" about responsibilities.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

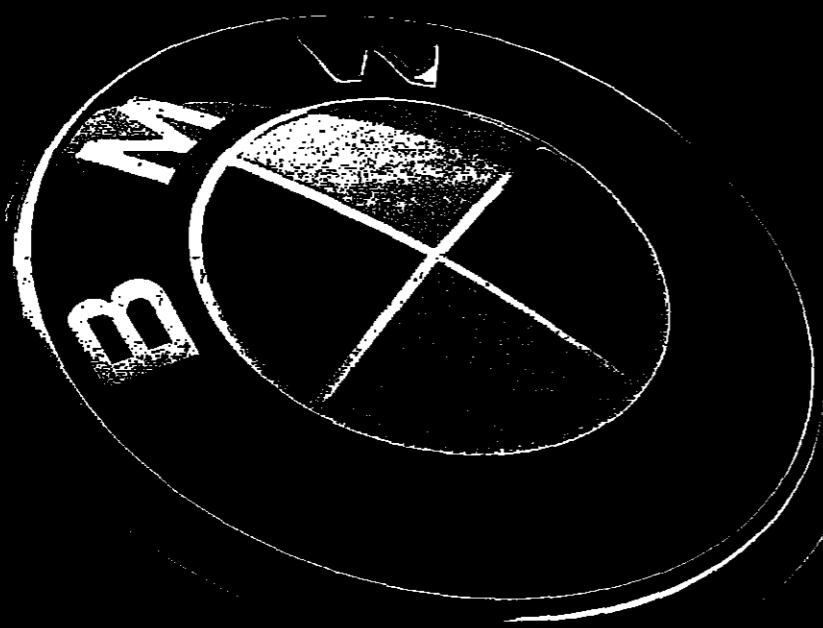
The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for young people in Co Durham.

She said the Challenge project highlighted the proposition that young people had potential to assume adult responsibilities if given the chance. Without such help young people could be "cut off" from becoming more useful members of society.

"Rights is a very easy word to use — a lot of people claim and want rights, which is fair enough — but I think it is impossible to have rights as such without responsibilities," she said.

The Princess met some offenders and their parents and talked to the organizers of a project trying to introduce alternatives to custody for

## FOR ONCE, BMW AREN'T OFFERING YOU A SHINY NEW CAR.



You'd be fortunate to find a new mass produced car that had the same shine as the one above.

In fact, this car is an Approved Used BMW that's covered 13,000 miles since it left the factory.

Being a BMW, its bodyshell and panels are pressed from the highest quality steel. Areas that are likely to get stone-chipped are galvanised with zinc.

16 kilogrammes of PVC sealer are applied for good measure. And finally it undergoes a 46-stage painting process. A lengthy process, perhaps, but then the results reflect that.

To check the quality during production, selected cars are put through the salt-spraying test. All 480 hours of it.

But BMW beauty, contrary to the saying, is a lot more than skin deep.

The chassis and the suspension are tested for durability

on BMW's Dynamic Test Rig. This machine simulates every bump and twist of the infamous Nurburgring race track.

Every Approved Used BMW also has a computer that continually monitors engine speed, mileage and temperature.

Then, via the Service Interval Indicator, it tells the driver exactly when the car needs servicing.

Making it likely that the car will have been maintained correctly throughout its life. It also has to undergo a rigorous multi-point check, carried out by the person who best knows a BMW.

A highly trained Technician.

Such attention to detail enables BMW to confidently give a warranty that covers most mechanical and electrical parts.

A warranty that even covers hotel accommodation anywhere in Europe in the unlikely event of a breakdown.

Indeed one motoring magazine, 'Buying Cars', described

Used BMWs as, "amongst the best made and most reliable cars in the world".

They concluded, "Frankly, the not-new BMW car is one of the best-value motoring propositions going".

Fill in the coupon, and BMW will gladly give you an even more desirable quote.

To: BMW Information Service, PO Box 46, Hounslow, Middlesex TW4 6NF.  
Tel: 081-897 6655. Please send me a BMW Approved Used Car Information  
File and the name of my local dealer.

Mr/Mrs/Miss etc.	Initials	Address	Approved Used Cars
Town/City		Post Code	
Present Car		Telephone	Year of Reg.
Present Car		Age of Vehicle	Approved Used Cars

BMW FINANCE AVAILABLE ON ALL APPROVED USED BMW'S.

# Taxes 'would rise for great majority under Kinnock'

AN ACCUSATION that a Labour government would raise the tax burden on the great majority of taxpayers, particularly those just above average income and upwards, was made in the Commons yesterday by Mr Peter Lilley, Financial Secretary to the Treasury.

During a debate on a Conservative MP's motion on Labour's taxation policy, he said that Labour was under a particular obligation to spell out its tax proposals because they involved imposing an increased burden. People had the right to know, in broad terms, who would pay, how much they would pay and which taxes would be varied or introduced.

Labour spokesman had said that the top rate would be raised to a maximum of 50p in the pound, but it was not clear why anyone should rely on that moderate promise not to raise tax rates higher if Labour got to power. Not only did the Labour Party vote against the reduction from 60 per cent to 40 per cent, it also voted against the reduction from 83 to 60 per cent.

Labour's second proposal was to abolish the upper earnings limit on the national insurance contribution, effectively raising the marginal rate of tax by 9 per

## TAXATION POLICY

cent for about three-and-a-half-million people. That would affect people earning about £18,000 a year.

The deduction from what had been said was that Labour would leave a large part of its programme to be financed by raising the basic rate or other taxes.

Opening the debate, Mr Bowen Wells (Hertford and Stortford, C) said that the time had come to speak because many people had misguidedly voted Labour in recent elections.

Labour's dilemma was that it wished to spend more and more on social services, education, health and local government without there being increases in taxation.

Where there were to be increases, Labour sought to suggest that taxing the rich — who had yet to be defined — would pay for expenditure on social and public services.

The Opposition would tax the great majority of people on humble incomes, taking money from them to redistribute to those whom it thought should receive more.

He wanted to discover exactly what Labour policy was going to be. So far it had been excessively coy. Once people did know what

the policy was, they would vote against it.

Labour was already committed to spend £5 billion on the National Health Service, £5 billion on child benefit and pensions and £1.7 billion on overseas aid.

The deduction from what had been said was that Labour would leave a large part of its programme to be financed by raising the basic rate or other taxes.

Labour's plans, however, extended far beyond merely raising taxes because they included proposals to introduce a whole raft of new taxes, including taxes for savers. "Just as Labour does not trust the taxpayer with his own money, they are deeply reluctant to let them spend their own profits."

Mr Thomas Clarke (Monklands West, Lab) said that the debate was an attempt to deflect public attention from the poll tax, high inflation and the level of interest rates which had come as such a blow to home owners and small and medium-size businesses.

Not only had the country had a system of unfair taxation under the present Government, but it was also led by a Prime Minister determined to introduce division after unacceptable division.

"Far from the wealth of Great Britain trickling down, it is trickling up and the poor are suffering. There is poverty in every part of Britain."



Mr Douglas Hurd, Foreign Secretary, at the opening yesterday of an East-West conference organized at Lancaster House, London, by the British Atlantic Group of Young Politicians

# Labour scorns 'no shortage of nurses' claim

## HOUSE OF LORDS

A SUGGESTION by Lady Blatch, a government spokesman, that there was no shortage of nurses in the National Health Service, indeed that numbers were growing, was greeted with incredulity by the Opposition during question time in the House of Lords.

Lady Blatch, questioned about what the Government was doing to meet a critical shortage of nurses, said that, although there would always be difficulties in recruiting for particular specialties, there was no overall shortage. In 1983-89, a total of 24,200 nurses had left nursing in England, but in the same period 16,400 nurses had been recruited and 9,700 had returned to nursing, making 26,100, a net gain.

The Government had launched an advertising campaign for more recruits which had produced 170,000 inquiries about nursing.

Lord Emens, a former Secretary of State for Health and chief Opposition spokesman on health, said that he was amazed. If there was no shortage of nurses, why had the Government launched a recruitment campaign?

"Has she seen the report published today which showed that in every single region there is a grave shortage of nurses, more serious in some regions than others?" Had she seen the statement by the secretary-general of the Royal College of Nursing referring to the immense problem of the shortage of nurses and the need to

improve not only pay but also conditions such as the provision of creches and opportunities for part-time work?

Lady Blatch said that she had read the press reports which did a disservice to the work going on in many district and regional health authorities. She had checked one of the regions mentioned, said to be the fourth worst, and had found that it had 225 more qualified nurses in post than a year ago.

If health authorities were asked if they had had difficulty in recruiting, they would say that they had; but if they were asked if nurses were in post, the answer would be that they were.

Lord Mellor (Lab) challenged her to seek the opinion of the Royal College of Nursing, the Confederation of Health Service Employees, the royal colleges of physicians and of surgeons, and others.

Lady Blatch said that the health department was in constant touch with those bodies.

• Press reports that the Government was to delay implementation of its community care provisions until after the next general election were dismissed in the Lords during the resumed committee stage of the National Health Service and Community Care Bill. The Bill provides for local authorities to provide accommodation and care for people discharged from long-stay hospitals.

Lord Carter, an Opposition front bench spokesman, moving a new clause calling for increased consultations between the Government and local authorities over community care proposals, asked for the Government's reaction to reports about possible delay in implementing the proposals.

Lady Hooper, Under Secretary of State for Health, said: "As far as I am concerned, it is speculation. The Government is continuing to work towards implementation in April 1991 of the community care proposals in the Bill. That is the Government's position."

The clause was rejected by 112 votes to 88 — Government majority, 26.

# 'No tie, no say' warning to MPs

The Speaker (Mr Bernard Weatherill) warned MPs that they may not be called to speak if they wear casual dress.

Mr Richard Holt Langbaurgh, C, had complained about the dress of some Labour members. He pointed out that collar and tie were compulsory in the Italian Parliament and that under Labour's new "polished-up image", its MPs were not allowed to appear on TV without a collar and tie.

He said at the time when they were trying to set an example to would-be football hooligans, they should ensure that no MP disported himself in the chamber in a manner that would not be allowed in the Italian Parliament.

## Landfill gas Schemes stay

A call for landfill gas schemes to be abandoned because they created "time bombs" in many areas was dismissed by Mr Peter Morrison, Minister of State for Energy, at questions.

He told Mr Frank Haynes (Ashfield, Lab) that the process was a useful way of generating electricity. Power generation capacity from such schemes last year had been 16 megawatts. The Government estimated that power generation from landfill gas would increase by 60 per cent by 1992 and by between 150 and 175 per cent by the end of the century.

## Commons TV vote soon

MPs are expected to take a decision on the permanent televising of the House of Commons before the House rises for the summer recess, Sir Geoffrey Howe, Leader of the House, said in a written reply.

He said that the select committee on broadcasting would consider all the evidence relating to the experiment and its report would be published so that MPs could decide before the recess.

## Coal sell-off reaffirmed

The coal industry will be privatized by the next Conservative government after the election. Mr Tony Baldry, Under Secretary of State for Energy, reaffirmed during Commons questions.

Ministers would consider how privatization would be carried out, and clearly employee participation would be considered.

## Saving paper

A Commons subcommittee is considering what further steps can be taken to increase the use of recycled paper in the House of Commons. Sir Geoffrey Howe, Leader of the House, said in a written reply yesterday.

## Charity MPs

Fifty-one MPs have authorized deductions from their salaries to give money to charity under the payroll giving scheme. Sir Geoffrey Howe, Leader of the House, said.

## Unleaded fuel

Latest figures show that 31 per cent of the petrol sold in the UK was unleaded. Mr Peter Morrison, Minister of State for Energy, said in a written reply.

## Parliament today

Commons (2.30): Questions: Defence; Prime Minister; Finance Bill. Lords (2.30): Law Reform (Miscellaneous Provisions) (Scotland) Bill, report, first day.

# MPs moan about builders' delays

By Sheila Gunn  
Political Reporter

MPs are no different from anyone else when it comes to hard luck stories about builders, it emerged yesterday.

The Commons services committee displayed its frustration when relating troubles with the building project to provide a new parliamentary building for MPs and their staff.

After its investigation into delays, the committee said: "We regard the whole saga as a sorry commentary on the state of the building industry. We find it hard to believe that such a situation would have been allowed to develop if similar work were being undertaken for the parliaments of other European countries."

A total of 60 MPs and 100 secretaries were intended to move into the large reconstruction of buildings fronting Parliament Square and Bridge Street this month. Completion is not expected, however, until the summer of next year.

With the Palace of Westminster overflowing, the services committee disclosed its impatience with Faircloughs, the main contractor; Casson Conder Partnership, the architectural consultants; and the Property Services Agency.

In its report on the delay, the

## SERVICES

MPs said: "In view of the track record to date, we cannot have any confidence in Faircloughs' 'safe' completion date of March 1991." The committee added: "We are concerned that the Property Services Agency's (PSA) estimate of March 1991 could be more realistic."

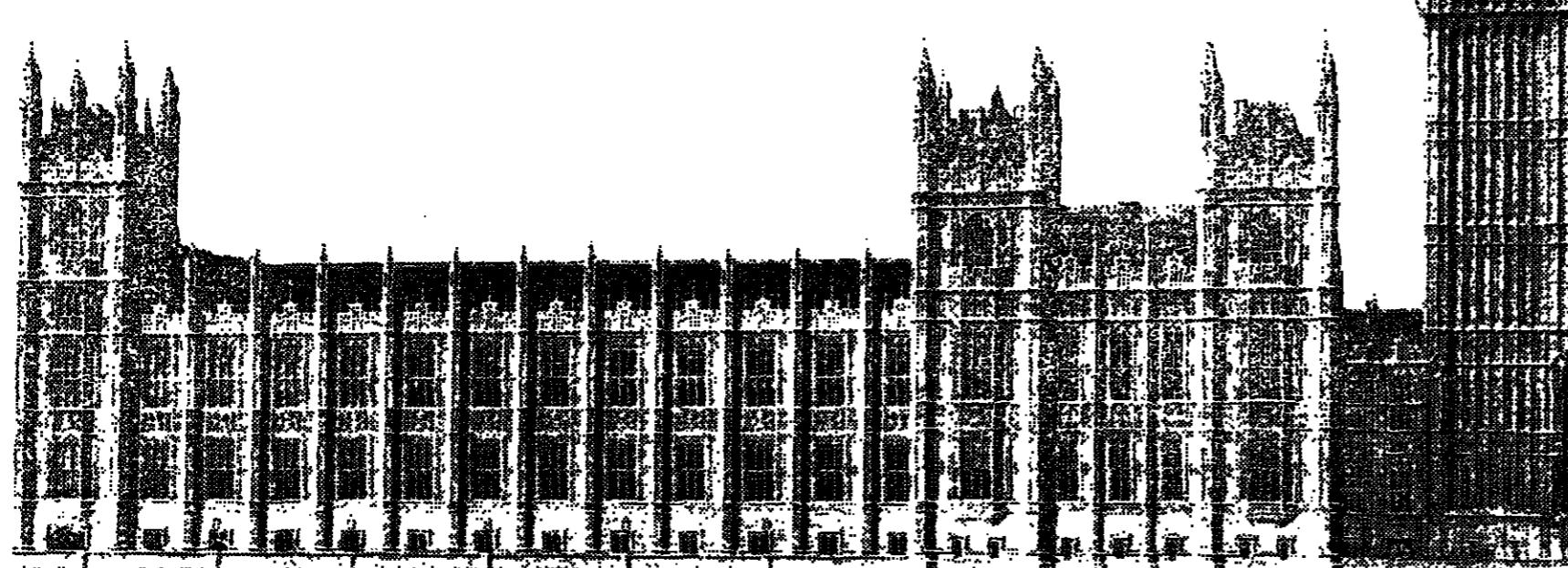
It said: "The reputations of all three parties — main contractor, architect and the PSA — are very much on the line." The committee said that its members hoped that the parties' reputations "will be salvaged by their delivering a building of high quality ahead of the revised completion date".

After a series of evidence-taking sessions with Faircloughs, the committee formally recorded its "regret that in their evidence to us Faircloughs have repeatedly shown a lack of frankness and realism in acknowledging the plain fact that over recent months the project has been falling steadily further behind schedule. This has naturally caused us much concern."

House of Commons Services Committee — New Parliamentary Building (Phase 1): Delay to Compton (Stationery Office £10.25).

# BRITISH CITIZENS LIVING ABROAD.

Even if you left Britain as long ago as 11th October 1970, you can still choose the inhabitants of this House.



Under the Representation of the People Act of 1989, important changes have been made in who can vote in UK Parliamentary and European Parliamentary Elections.

- The qualifying period for the right to vote for people living abroad has been extended from five to twenty years. That means if you left the UK as long ago as October 1970 you can still vote.

- People who left the UK before they were old enough to be included on the Electoral Register may register as overseas electors.

- You no longer need to declare an intention to return to the UK.

Your vote will be cast in the constituency in which you or your family were registered before leaving the UK.

In order to qualify you need to fill in an application form by 10th October 1990\*.

To get a form and explanatory leaflet contact your nearest British diplomatic or consular post.

\*15TH SEPTEMBER IN NORTHERN IRELAND.

**DON'T LOSE YOUR RIGHT TO VOTE IN THE UK**

ISSUED BY THE UK GOVERNMENT

PLEASE INFORM ANYONE YOU KNOW LIVING ABROAD ABOUT THIS.

مكتبة الأهل

# EC official warns East Europe to brace for slump

From Michael Binyon, Brussels

**EAST** European countries must brace themselves for zero growth, high inflation and mass unemployment as they move to market economies. But if they opt for the "Big Bang" of sudden change, they will soon experience an economic miracle rivaling that of Western Europe in the 1950s, a leading European Community official forecast yesterday.

Mr Henning Christensen, the Commissioner for Finance, said East European countries plunging into economic reform could enjoy annual growth rates of up to 6 per cent a year by the middle of the decade. But everything depended on their political willingness to make drastic changes now. They had to rework their entire economic systems in no more than six to 12 months.

EC economic experts, ana-

lyzing the needs of the seven emergent democracies, found that the gradual approach, adopted by Hungary some 20 years ago, had failed. Poland, which had undertaken the most drastic reform, had however been remarkably successful in reducing inflation and restructuring its economy.

Mr Christensen's outline of the macro-economic policies Brussels recommends comes after the Community's revised action plan for Eastern Europe published two weeks ago, which will be put to the Group of 24 donor nations next month.

He said the priority for Eastern Europe must be reform of its financial sector. This involved freeing prices from state control; setting up an independent central bank, private banking systems and financial services; introducing property rights and company laws; breaking up state monopolies; establishing a proper social security system giving unemployment benefit; and allowing collective bargaining. All this should come before the wholesale privatization of industry.

The result would inevitably be hardship and dislocation at first, as thousands were thrown out of work and industries, unable to compete in the world market, went bankrupt. But with an end to overmanning and a better use of plant and manpower, a quick recovery should follow.

If things go well, the Commission believes Eastern Europe could begin to catch up with the West. Czechoslovakia, which in 1939 had a standard of living as high as that of Switzerland or Denmark, might soon be strong enough economically to apply for EC membership.



Lashing out: A football supporter using an iron bar to attack a fire engine during clashes between fans of Dinamo Zagreb and Red Star Belgrade in

Zagreb on Sunday. More than 100 people were hurt, 10 critically, in fighting among fans from the rival republics of Croatia and Serbia.

Yesterday Mr Miljan Miljanic, the national team manager, said the country should consider giving up the sport. "I don't think soccer should

exist here to be the expression of hatred," he said. Uruguay has pulled out of a match with Yugoslavia due to have been played in Zagreb. (Reuters)

## Threat of 'another Chernobyl'

**East Berlin** ENVIRONMENTAL experts said yesterday that East Germany's main nuclear power station was so dangerous that it should be closed immediately to avoid a disaster like that at Chernobyl.

A report by seven non-government experts from East and West Germany condemned security systems and other equipment in four reactor blocks at Greifswald power plant near the Baltic coast as totally inadequate.

"If the main circulation system failed there would be a similar event to Chernobyl," Herr Norbert Meyer, a Greifswald physicist, said at a briefing to launch the report.

The 100-page report said that East Germany's former communist authorities had long known about the poor safety standards, and added: "The danger of a catastrophic failure of the reactor pressure vessel cannot be averted through re-equipping or technical modifications." The report criticized the lack of fire precautions at Greifswald, and warned that pipes could burst at any moment.

All further discussion about the plant should aim at shutting down its four existing reactors, the report said. Two of the four working blocks have already been switched off temporarily, but four other blocks are still being built.

East German government officials and opposition activists ordered the report in January after disclosures of poor conditions. (Reuters)

## People bankroll the peaceful revolution in Lvov

From Nick Worrall  
Lvov

A SECURITY man with a blue and yellow arm band was dragging a sack stuffed with rouble notes into the former Communist Party offices, now the debating chamber for the new regional council of Lvov in the western Ukraine. On a table lay bundles of bank notes. In a show of support for their new non-Communist council the people of Lvov have given nearly £3 million so that the daily council debates can be shown live on television.

This is the Soviet Union's most rebellious city outside the Baltic region. Members of democratic groups won 80 per cent of the seats in the recent local elections. And for the past three weeks the council has been debating measures to obliterate Communist rule.

In defiance of rulings from the hard-line Ukrainian authorities in

Kiev, the republic's capital, Lvov has legalized the Uniate Greek Catholic Church, which was banned by Stalin in 1946, and ordered the blue and yellow flag of the Ukrainian Popular Front, Rukh, to be flown from public buildings. Even Lvov's Communist Party headquarters no longer flies the red banner. "I am in a state of antagonism with the regional council," said Mr Vyacheslav Sekretaryuk, Lvov's Communist Party first secretary. "The old party monopoly of power has been replaced by a new monopoly."

His bitterness is understandable. After 45 years of party domination since Moscow incorporated this former part of Poland in 1945, President Gorbachov's movement towards greater democracy has caused party structures wherever democratic opposition movements won local elections in March.

But Mr Sekretaryuk's view is not shared by all Lvov's leading com-

munists. The city's Mayor is Mr Bogdan Kotik, who says he will resign from the party if it does not reform itself at the crucial Congress in July. He is enthusiastic about the region's new leaders: "They make me happy, they stimulate my work."

He said, but admitted feeling pressure from democrats on one side and party officials on the other.

The democrats' leader and council chairman is Mr Vyacheslav Chornovil, a well-known former political prisoner and journalist who was recently released after 15 years in labour camps and Siberian exile for dissident writings. He is also a fervent Ukrainian nationalist, for which he could have been executed six years ago.

Of Cossack descent, Mr Chornovil — the name means black bull — sports a drooping moustache, a lined forehead and a wicked smile.

"It's been a revolution," he said.

"We have real people's power here

in Lvov." He grinned: "And here's a paradox. The people who were imprisoned for so-called anti-Soviet activities are now the leaders of the region's new leaders: "They make me happy, they stimulate my work."

After it convened on April 9 his council adopted a resolution to this effect amid a clash over the Communist monopoly of the mass media. The council is demanding that the party hand over the local Ukrainian-language newspaper *Ukraina Vilna*.

The table in the council chamber groaned with cash as Rukh workers, who have taken over security operations in many public buildings, counted the money pouring in from well-wishers. The statue of Lenin behind the chairman's seat has been masked by the blue and yellow flag and a portrait of Taras Shevchenko, the Ukrainian national poet. The Ukraine's Communist Party is still

run by some of the Soviet Union's most die-hard apparatchiks. In a typical move, the television authorities in Kiev sent the Lvov rebels a bill for £1,000 roubles an hour (about £1,000) for covering their council debate. In a broadcast, Mr Chornovil told the public it was an attempt to gag their debates and appeal for funds. "We already have enough to pay for the TV for a year and set up projects the city needs desperately," he said. "Our political life may be rich but the economy is most painful. And, as with Lithuania, there are already attempts to blockade us."

Mr Chornovil claims that Kiev has reduced supplies of meat and dairy produce to the region, causing even greater shortages than usual. Mr Kotik says he has heard rumours of a blockade, but thinks the increased shortages may be simply the result of a general fall in productivity.

From Anatol Lieven, Riga

HUNDREDS of Soviet officers yesterday marched to the Latvian parliament to protest against moves towards independence for the republic. As they did so, military helicopters scattered leaflets from the Soviet loyalist Interfront movement over Riga, calling on Russian workers to strike at 10am today and march to the parliament, so that "the handful of traitors and political adventurers who are making decisions for us can hear the voice of the working people."

The officers tried to get into the parliament building, but the doors were closed against them. Scuffles broke out between the officers and members of the Women's League, who have been protesting outside parliament since it met over the position of Latvian conscripts in the Soviet Army.

The new Latvian Government is facing challenges not only from the Soviet Army and sections of the local Russian population, but also from parts of its "own" police.

During the debate in parliament yesterday on the confirmation of a new Minister of the Interior, an opposition spokesman read out a resolution signed by more than 1,000 members of the Riga police force, which is

overwhelmingly Russian. The resolution said that the police wanted Mr Bruno Steinbrink, the present Minister of the Interior, to remain in office, and that whatever the decisions of the parliament, the police would continue to uphold Soviet law in Latvia.

After reading the statement, opposition deputies walked out of the debate. The Mayor of Riga, Mr Andrejs Teikmanis, the Popular Front deputy, told parliament that he believed that ordinary policemen had been ordered to sign the resolution by their officers, and that most of them were "tired of the police being politicized".

MOSCOW COMMENTARY by Mary Dejevsky

## Russians tick to their own time

TO ANYONE who works in Moscow there is one consoling feature of great ceremonial occasions such as Victory Day — the official proceedings begin absolutely on time, inaugurated by the chimes of the black and gold clock on the Kremlin's Spassky Tower. This split-second timing contrasts with a distinctly casual attitude to time on the other, working, days of the year.

Many Russians harbour a deep-seated contempt for the very idea that time is precious — theirs or anyone else's. The expression "time is money", always said in English and always with a snarl, has become a favourite cliché to disparage the inhumane and money-grubbing attitudes of capitalism. The inference is that Russians, as Slavs, have learnt to put time in its proper place — second to emotional spontaneity — whereas Westerners are enslaved by the clock (inevitably the flashy, digital variety much envied by Russians).

This may be in part a matter of temperament and a reflection of the fact that so many Soviet workers are still only first or second generation town-dwellers: how much more pleasant to get on the train and go mushroom-picking when the sun shines unexpectedly than to go to work. But it is also a recognition of

Soviet reality and, very often, of necessity.

In a country with no legal unemployment — yet — working time belongs to someone else, and if that someone else is not using it, then it can be appropriated, rather like the "state" property that so often finds its way into private hands.

The acute shortages of the past two years have only aggravated the problem. All able-bodied Russians are supposed to have a regular job, but the shopping streets of the capital teem with people from early morning. People will quit their desks and travel from one end of Moscow to the other, if they hear of a delivery of scarce goods. They will then stand in a queue for several hours.

The consequence, unfortunately, is that people who should be at their desks, who have appointments booked and tasks to complete, are not there, arrive late or leave early — and the unhappy client or petitioner has to come back another day.

Absence and lateness — invariably unexplained or blamed on an unscheduled meeting or a summons from the Communist Party committee — are only one manifestation of a generally lackadaisical attitude to time with which the usually punctual Western business-

man must reluctantly come to terms. When the meeting or conference eventually takes place it can go on for hours and range over a subject area quite alien to its original purpose.

Westerners are frequently considered rude and insensitive for regarding a business meeting as precisely that and not as an opportunity to relax, put the world to right and — more often than not — put off a practical decision until the next enjoyable encounter. Even five years into *perestroika*, it is a rare Soviet manager or politician who will admit that time is not limitless and that it has a price. Their Soviet experience, which is all they have, demonstrates quite the opposite.

Last week, summarizing the agenda for the next few weeks of Supreme Soviet business, Tass stated with delphic assurance: "Any delay in adopting new legislation threatens a further exacerbation of the already grave domestic political situation. At the same time ... undiscussable in working out the fundamentals of a future Soviet society is no less detrimental. In other words, the time factor is becoming pivotal."

Indeed it is, but so is the money factor, and the two are not so far removed as the Slavonic soul would like to believe.



A pensive Chancellor Kohl pondering on his party's defeat in Lower Saxony at the weekend

Leading article, page 13

## Protest jams Bucharest streets

From Christopher Walker, Bucharest

THE final stages of the Romanian election campaign erupted into further violence yesterday when anti-communist demonstrators in the capital extended their three-day protest during the afternoon rush hour and surrounded a government ministry. They blocked more arterial roads and some scaled the roof in front of bemused officials to hang out flags.

There were fights and scuffles as drivers were prevented from returning home and the demonstrators quickly rigged up loudspeakers on the ministry's ornate, wrought-iron gates while a few policemen

showing him alongside the late Nicolae Ceausescu.

The big street demonstration — unlike anything seen in any other East European poll — spilled over from neighbouring University Square, blocked since April 24. The move came after protesters alleged that two hunger strikers from the square had been attacked by a plainclothes government security agent, and others arrested. It was impossible to immediately verify the accuracy of their claims.

Trapped officials in the ministry looked on in fear as the mood of the mob turned

ugly every time a suspected former communist sympathizer or Securitate agent was spotted. By late afternoon at least 4,000 people had moved into the streets in front of the building, but after two hours the demonstrators agreed to return to their original barricaded zone blocking Bucharest's main boulevard and to let traffic flow again in front of the Agriculture Ministry.

But representatives of the new Free Transport Union said that they had decided to join the protest which has been blocking an area under the towering Inter-Continental Hotel since April 24.

## Leading dissident returns to fray

From Tim Judah  
Cluj, Transylvania

MRS Doina Cornea, a leading Romanian dissident during the Ceausescu years, is a dissident once more. She has been on hunger strike since last Thursday in a protest directed against the Government and Romania's election campaign.

She said at her home in the Transylvanian town of Cluj that her fast has made her weak and given her headaches. She had disconnected her telephone because she has had so many calls, some including threats and abuse.

The point of the hunger strike is to help people distinguish good from bad — to awaken their consciences, she said.

Mrs Cornea, once a provincial French teacher, became a cause célèbre after her anti-Ceausescu protest.

Immediately after the revolution, on Christmas Day, she arrived in Bucharest to take part in the National Salvation Front. "It soon became clear that there was something wrong," she said. "The executive bureau was made up purely of old communists. We dissidents were called there as a sort of chorus. Then they started trying to tell me what to say on television."

In a serious blow to the Front's credibility, Mrs Cornea left in January. Now, as she takes up cudgels against the Front, she finds herself under personal attack in its newspapers.

She is undeterred, saying: "Look at the election campaign — calumnies, violence and systematic attacks against people and party buildings. These things have become the order of the day. People have been terribly manipulated by the Front. This election has not been free and fair."

But Mrs Cornea is not entirely pessimistic: "I never lose confidence," she said. "On December 22 the whole country was with the Front. Every day since then they have been losing support. Now if the Front wins the elections it is sure that it cannot survive. They have lied to too many people."

Mrs Cornea is not planning to fast to the end. But she is determined that her protest should succeed.

# Oslo wants environment checks on neighbours

From Michael McCarthy, Bergen

EUROPEAN countries should be allowed to inspect each others' environmental performance in the manner of arms control verification procedures, Mr Jan Syse, the Norwegian Prime Minister, suggested yesterday.

Such annual checks would allow the enforcement of a binding environmental code of conduct, he told the international conference at Bergen on sustainable development, or "green growth".

His initiative, which would allow, for example, Norwegian inspectors to check British power stations for emissions of sulphur dioxide falling as acid rain on Norway, was coolly received by Britain's representative, Mr David Trippier, Minister of State at the Department of the Environment. He pointed out forcefully that Britain had its own pollution inspectors. One

## Noriega tug-of-war over cash

From Alan Tomlinson  
Miami

A BIZARRE tug-of-war over the vast fortune of General Manuel Noriega, the ousted Panamanian dictator, is being played out this month in trial hearings in a Miami courthouse.

General Noriega refuses to tell the United States Government where he thinks it is, and the Government — in the shape of federal prosecutors mounting a case against him on drug conspiracy charges — will not say where they think it is either.

General Noriega says he does not have the cash to pay for his defence and his lawyers, in an apparent tactic to force the Government to release millions of dollars seized and frozen in bank accounts after the US invasion of Panama in December, say they wish to withdraw from the case because lack of due process is making their task impossible.

The US Government has frozen an estimated \$20 million in 27 Noriega-related bank accounts around the world. Prosecutors say the money should be confiscated as the proceeds of crime, and suspect there may be much more unrevealed cash.

General Noriega's lawyers are demanding that his money should be released.



Protesters carrying away one of their number who inhaled tear gas fired by the Jordanian riot police yesterday

## Bush faces test on civil rights

From Susan Ellicott, Washington

SINCE moving into the White House 16 months ago, President Bush has worked to keep at bay his former public image as a wimp and has concentrated on proving himself a master of the human touch. This "kinder, gentler" presidency includes his personal telephone calls to world leaders and less publicized gestures toward the US black community that have won Mr Bush the highest popularity rating of a Republican leader among blacks for 30 years.

This week, however, Mr Bush faces the first significant challenge to this unexpected popularity when civil rights leaders meet him at the White House to try to persuade him to support legislation on job discrimination. Black leaders have said they consider the passage of the 1990 Civil Rights Act their top priority this year and are angry that senior Bush Administration officials want the President to veto the Bill.

Until now, President Bush has largely owed his growing

support among blacks to the relative unpopularity of his predecessor, President Reagan. Blacks have said they base their liking for Mr Bush more on feeling than substance: he and his wife, Barbara, appear willing to meet blacks in public and have black friends, for instance, while the Reagans did not.

He has appointed blacks to senior posts in his Administration and has charmed young, black voters by inviting to the White House black and Hispanic entertainers, such as the singers Whitney Houston, Gloria Estefan and Michael Jackson.

National opinion polls recently showed that Mr Bush's approval rating among blacks is the highest for a Republican president since President Eisenhower and partly reflects his party's efforts to woo blacks who felt their interests were hurt by the Reagan Administration. Republicans have lobbied hard to win over blacks, who traditionally have favoured the more socially

liberal policies of the Democratic Party.

Despite all of this, Mr Bush has mainly enjoyed strong support from blacks because they have felt that he has done nothing against them even if he has not done enough for them. A presidential veto of the 1990 Civil Rights Act could change this. Leaders of minority ethnic groups are watching Mr Bush to see whether his policies are committed to backing up his kind gestures toward them.

Mr Julius Chambers, a legal expert for the National Association for the Advancement of Coloured People, summarized this feeling last weekend during an opening speech at the state University of North Carolina. "In civil rights, actions speak louder than words," he told his mainly black audience. "The toxin of veto will poison all the wells of good feeling toward the President that have sprung up in the black community." The legislation in question would

ings by the Supreme Court last year that civil rights groups considered set back progress in recent years on discrimination against minorities in the workplace.

Mr Richard Thornburgh, the US Attorney General, has asked Mr Bush to veto the 1990 Act on the grounds that it would encourage employers to impose "surprestigious quotas" and pay out monetary damages as well as back pay to minorities who prove they suffered discrimination.

Congress has approved the wording of the updated legislation and is expected to vote on the Act as early as this month.

Mr Bush yesterday met representatives of business groups and black leaders from across the political spectrum. He is expected to speak to members of unions and women's groups tomorrow. Mr Arthur Fletcher, the chairman of the US Civil Rights Commission, has described the meetings as a "battle for the President's mind".

## Tinsel Town confronts Aids virus

From James Bone, New York

WHEN Craig Lucas, the successful American playwright, told a Hollywood executive that he wanted to write a screenplay about people with Aids, she looked at him as though he was "speaking Swedish".

Lucas, who wrote this season's Broadway hit *Prelude to a Kiss*, had half a dozen more

power lunches with other Hollywood big-wigs, and the result was always the same.

Although it had lost many of its best and brightest to the disease, Tinsel Town was just not ready to confront the Aids epidemic. About as far as the movie moguls would go was to curb the risky promiscuity of James Bond.

Now, almost five years after the death of Rock Hudson brought the disease home to middle America, the taboo has been broken. Lucas's *Longtime Companion* has just hit cinemas across America, billed as the first mainstream American film about Aids. It will be released in Britain in the autumn.

The film takes its title from the euphemism used in newspaper obituaries to describe the surviving homosexual lovers of Aids victims. It tells the tale of eight friends — seven gay men and a heterosexual woman — whose lives are overtaken by Aids.

The opening sequence charts the bewilderment of each of the characters as they study a *New York Times* report of July 3, 1981, which revealed for the first time that a rare form of cancer had been found in 41 male homosexuals. The cancer, Kaposi's sarcoma, was later discovered to be a symptom of Aids. By the end of the film, eight years

later, four of the friends are dead and two are afflicted with the disease.

When the main Hollywood studios rejected his idea for a film on Aids, Lucas turned to Mr Lindsay Law, executive producer of American Playhouse, a subsidized production company. Mr Law committed \$500,000 (£300,000) of the company's \$10 million annual budget to the project, and set out to raise an additional \$1.5 million. But the leading independent companies — Miramax, Orion, Cinecom, New Line Cinema — turned him down.

Bottom-line-conscious executives were afraid of making big-budget films about homosexuals, let alone Aids.

Dramas about the disease were considered something for the television or the stage, not the silver screen.

Exasperated, American Playhouse decided to put up all the money. At least in artistic terms, the decision paid off. *Longtime Companion* won the Audience Award at the Sundance United States Film Festival this year — the prize awarded last year to *Sex, Lies and Videotape*.

And, by and large, the critics have welcomed it. The trendy *Rolling Stone* magazine called it "the best American movie so far this year", describing it as "funny, touching and vi-

tal". *New York Newsday* called it "a dose of courage and hope".

Like almost everything to do with Aids, however, *Longtime Companion* has caused more than its share of controversy, provoking accusations that it neglects the plight of poor Aids sufferers. Although the film used several Aids-infected actors to play minor parts — one of whom died during filming — it concentrates on Aids victims who are white, well-heeled, and homosexual.

● GENEVA: A warning to governments against growing public complacency about Aids was given to the World Health Assembly yesterday by Dr Michael Merson, newly appointed director of the World Health Organization's global programme against the disease. (Alan McGregor writes).

It was a fallacy to hope that the Aids pandemic was not as serious as initially feared and would not continue to spread, he said. On the contrary, more than half of all HIV infections worldwide had been transmitted through heterosexual intercourse, and the proportion was increasing. There were now more than 254,000 officially reported cases in 156 countries — an increase, largely in Africa, of 17,000 cases in one month.

## Jordanian riot police fire tear gas at marchers

King Husain Bridge, Jordan JORDANIAN riot police fired tear gas yesterday to stop thousands of stone-throwing pro-Palestinian protesters marching towards a river bridge leading to the Israeli-occupied West Bank.

Witnesses said dozens were injured in clashes which lasted for about two hours until the tear gas and shots in the air dispersed the crowd of about 7,000. Protesters, swept by emotion at the sight of the nearby West Bank, had ignored pleas from organizers to halt the march at a designated spot, and flooded towards the bridge.

About 60 policemen fired five volleys of gas at the demonstrators, who retreated and then surged forward, hurling stones. About 100 soldiers and two tanks stood in reserve behind the thin police line. Ambulances went to a spot about one mile from the King Husain Bridge, known in Israel as the Allenby Bridge, to ferry away casualties.

Arab trade unionists and leaders of professional associations organized the march with support from groups linked to left-wing factions of the Palestine Liberation Organization. They had planned a silent, peaceful event to underline the right of Palestinians to return to their homeland.

But marchers crying "Allah-u-Akbar" (God is Great) and pro-PLO slogans paid no heed to police warnings about mines in the frontline area, where shell-pocked buildings have been deserted since the 1967 Arab-Israeli war.

They also ignored appeals for calm from parliamentary deputies including Mr Taher al-Masri, the former Foreign Minister, who is of Palestinian origin, and Mr Farris Nabaous and Mr Bassam Haddadin.

The unexpected violence was the worst since price riots in 1982. The office of Mr Yitzhak Shamir, the Prime Minister, said that defence officials had, with heads of the six universities in the territories, discussed the possibility of opening a single university first as a test. It did not say if any decision had been taken. (Reuters)

months ago killed 12 people in southern Jordan.

Many of the marchers were young men, but old men and women also took part, many weeping at coming so close to Israeli-occupied land. They waved Jordanian and Palestinian flags and banners with anti-Israel and anti-American slogans.

"America is the head of the snake, America is the number one enemy of the Palestinian people," one banner read. "Jewish emigration is a declaration of war on the Arab nation," read another.

Witnesses said at least 10,000 people earlier joined the march, which was to have halted in a Jordan Valley village. Only about 100 Arab unionists and heads of popular delegations were supposed to walk to the bridge before returning to read to the crowd the resolutions adopted in Amman by a two-day conference of union leaders. The conference condemned the exodus of Soviet Jews to Israel as a threat to Palestinian hopes of their own state.

Jordan's three million people include many Palestinians who took refuge in the kingdom after the Arab-Israeli wars of 1948 and 1967. Israel seized the West Bank from Jordan in 1967.

● Campus talks: Israel said yesterday that it was considering allowing Arab universities in the occupied West Bank and Gaza Strip to reopen after keeping them closed for almost the entire 29 months of the Palestinian uprising.

The office of Mr Yitzhak Shamir, the Prime Minister, said that defence officials had, with heads of the six universities in the territories, discussed the possibility of opening a single university first as a test. It did not say if any decision had been taken. (Reuters)

## Israeli attack on army credibility

Jerusalem

ISRAEL'S State Comptroller said yesterday that army spokesmen were under-educated, slow in reporting unrest in the occupied West Bank and Gaza Strip and distrusted by local and foreign journalists alike. The government-appointed watchdog added that army statements were often late and uninformative.

The Comptroller's annual report, covering the workings of government departments, said the spokesman's unit had no clear information policy on army activity against the 29-month-old Palestinian revolt in the occupied territories.

"The army spokesman's unit had difficulty reporting incidents in the occupied area close to the time when they occurred because reports from the field passed slowly to the spokesman's unit ... and on to the media," the report said.

"Sometimes the army spokesman's credibility in the eyes of local and foreign media was damaged ... The unit was poorly prepared for dealing with the foreign press," it said.

An army spokesman said most of the report's findings had either already been rectified or were being addressed. He noted the criticisms referred to the period before June 1989. The spokesman also cited a recent public opinion poll which found that some 70 per cent of Israelis thought the army spokesman's office was reliable while 54 per cent thought press coverage of the army was unreliable and emphasized the negative.

Army statements and casualty reports often differ widely from accounts by Palestinian

witnesses, hospitals and international relief organizations. In one incident which deepened mistrust, the spokesman's unit last year had to retract a statement that paramilitary border police fired on stone-throwing Palestinians in Bethlehem, killing one, when their lives were in danger.

Television film showed the policemen firing without warning from a distance at fleeing Palestinians. A spokesman later apologised. (Reuters)

## Iran and US agree on claims

From Mark Feller  
Amsterdam

IRAN and the US formally signed an agreement in The Hague on Sunday night concerning a number of financial disputes dating from the Islamic Revolution in 1979.

Diplomatic sources in The Hague said yesterday that Iran had agreed to pay the US \$105 million (£62.5 million) in damages reported at the end of last week for 2,750 small claims, including 400 which had missed the deadline set by the Iran-US Claims Tribunal.

Iranian and US officials had also prepared the way for an agreement on an unspecified number of Iranian claims amounting to \$400,000, diplomatic sources said. But the tribunal, set up in 1981 after Iran freed 52 American hostages, has still to settle many larger claims.

PARIS NOTEBOOK by Philip Jacobson

## The French tell all to strangers with clipboards

Almost two-thirds of respondents felt there was a lot less laughter about these days, especially in the office. More encouragingly, politicians remain the favourite targets of French jokes, with the endearingly vulnerable leader of the Communists, M Georges Marchais, ahead of the field.

Naturally, there has been a survey seeking to establish whether the French believe the statistics with which they are bombarded. A majority said they did, but a significant minority confided that they never tell pollsters the truth. *Voilà!* *N*o great depth of research is required to establish that the French, the Parisians above all, remain wedded to their cigarette. Consider the couple smoking like chimneys at the restaurant table next to yours, scattering ash with every sweeping gesture; the well-dressed women loitering outside Métro carriages until the last moment in order to

smash a final puff; the teenagers in leather blousons, practising their Gallic sneer with a Caporal lodged in the corner of the mouth. The French Government has been notably slow off the mark with national campaigns to cut smoking. Hardly surprising, say cynics, when a state monopoly, Seita, controls both production and distribution, and does very well from it. It does not help, either, that M Michel Rocard, the present Prime Minister, smokes about as heavily as his predecessor, M Jacques Chirac, while the chic Paris set are frequently photographed with cigarette in hand for glossy magazines.

In the circumstances, Mme Jeannine Hochepern won a notable victory by convincing an appeal court in Douai that her husband's excessive smoking constituted reasonable grounds for divorce. M Hochepern had argued that his daily consumption of cigarettes during 36 years they had been married was "only" 30 or so.

pious husbands/wives/lovers are also regular customers.

T he return of Brigitte Bardot to French television last week presenting a new run of her documentaries assailing man's inhumanity to her cherished animals, was preceded by a rare and revealing interview she gave to *Paris Match* magazine. The last series, BB grandly proclaimed, had been a huge public success, but she was mortified to discover that sales of horse meat had fallen by only 30 per cent.

"It is scandalous," she said. "The Government did not decide to introduce new legislation to protect animals," said Saint Tropez's most celebrated resident, "but then, they have no voices so nobody in power gives a damn." She was full of praise for British companies now marketing cosmetics produced without cruel testing on animals but appeared less certain that the French conscience might be similarly touched.

## £7m petticoat pirates baffle shipping world

From Tony Samstag, Oslo

SOME of Norway's mightiest ship-owners were yesterday pondering anew one of the great unsolved maritime mysteries: whatever became of 80 container loads of ladies' underwear worth a cool £7 million.

The assorted flimsies were in fact small fry in a sea of swindles that is now estimated to be costing the world shipping industry about £30 billion a year, according to figures recently released in London. But the Norwegians are still smarting from this particular sting.

It started early in 1987 when a man identifying himself as Pierre Kassam contacted Barber Blue Sea, part of the giant Wilhelmsen group, in Oslo. None of those most painfully concerned was ever to lay eyes on Kassam, who used telephones and telexes to arrange his shipments.

The underwear, originating

in the Philippines and Bangkok, was to be loaded on BBS ships in Taiwan, Hong Kong and Singapore, and unloaded at the Panama Canal port of Cristobal. All went as planned — except that nobody was ever paid for the shipment. Intense scrutiny of the bills of lading revealed them to be phoney than a padded bra.

Police in Panama thought the underwear, and "Kassam", might have gone to Colombia. The Colombian authorities declared themselves all at sea. Lawsuits continue to this day, although who precisely is suing whom and over what is uncertain.

But all agree that it is the greatest scam since the IRA, a few years earlier, conned a Norwegian bank out of £10 million by making off with a shipment of cod en route to Nigeria. That caper is another entry in the voluminous log of big ones that got away.

# Pretoria tries to defuse tension amid war threats

From Gavin Bell, Johannesburg

AMID the sizzling of barbecues, the laughter of children, and sporadic gunfire, militant Afrikaners are preparing for war.

Appalled by the disintegration of apartheid, self-styled Boer commandos have displayed their resolve to fight against the perceived threat of black majority rule by inviting journalists for the first time to a training camp in the western Transvaal. Under the watchful eye of Mr Eugene Terre Blanche, the leader of the Afrikaner Resistance Movement (AWB), about 300 members went through their paces in baton drill, target shooting

## Conscripts stage sit-in over pay

Abidjan

HUNDREDS of disgruntled army conscripts staged an unprecedented pay protest in the Ivory Coast yesterday, but returned to their barracks after a delegation met President Houphouet-Boigny.

The soldiers, unarmed but wearing khaki caps and olive-green fatigues, took up positions outside the state radio building in the centre of the former capital, Abidjan, just before dawn.

They staged a silent sit-in on the normally busy streets around the radio building, but did not enter it. The radio station reported that the President had pledged a favourable study of the soldiers' demands for a pay rise and better living conditions.

The soldiers' protest coincided with a wild-cat strike by Abidjan's public bus drivers asking for better pay, which disrupted economic and commercial activities, and forced many shops to close in the city centre. (Reuters)



Police move in after firing tear gas to seize one of the demonstrators in yesterday's protests in Manila against the American military presence in the Philippines

From Vyvyan Tenorio  
Manila

ABOUT 80 student demonstrators were arrested yesterday as police tightened security here at the opening of talks on the future of US military bases in the Philippines.

Anti-base demonstrators around the US Embassy and the Central Bank, where talks were being held, were dispersed peacefully. Those arrested were later released. Mr Raul Manglapus, the Philippines Foreign Secretary and chief negotiator, said in his opening

statement that the outcome of negotiations was uncertain. But he added that the Philippines considered the military bases agreement allowing the US use of six military installations would terminate on September 16, 1991. Regardless of the outcome of the talks, the Philippines would "look to America permanently as a friend", he said. During the talks, Mr Manglapus is expected to focus on the \$22.8 million (£13.6 million) shortfall in US compensation for this year.

Mr Richard Armitage, leading the US team, who arrived in Manila on Sunday,

# Bar girls count cost of attacks on Americans

From Andrew Lyett, Olongapo, Philippines

THE wider issue of the retention of US military facilities in the Philippines did not feature when the citizens of Olongapo held a rally last Friday.

The bar girls of Olongapo had more parochial matters on their minds. Their town adjoins Subic US Naval base, 50 miles north-west of the capital. An American marine had been killed there the previous Friday. The US Navy had immediately banned its 7,000 personnel at Subic from outside leave. On Thursday it relaxed, but insisted that sailors and marines return to base by midnight. The rally the following day was to call for the lifting of the curfew, which was hurting Olongapo's only industry, known euphemistically as "entertainment with sex".

American servicemen start to arrive around 6pm. Once across the narrow canal which separates the base from the town, they are set upon by a hoard of pimps, prostitutes and vendors. If they make it as far as Magasay Drive, 200 yards up the road, they find a gaudy main street of neon lights and blaring rock music.

Here are most of Olongapo's 600 bars, massage parlours and "love hotels". Inside the bars, the formula varies little. A few "hospitality girls" in bikinis dance awkwardly on a central mirrored stage. Others huddle in twos and threes at tables, inviting customers to join them.

Candy, aged 17, in a figure-hugging red mini-dress, works

in one of the bars. She says she came to Olongapo nine months ago when her father died. At the bar she earns 40 pesos a night (just over £1) — on the high side for her profession. If a customer buys her an orange juice, or "ladies drink", at 50 pesos, she gets a cut and he gets her arduous conversation. Her real money comes if he asks her to leave the bar. He must then pay the owner a "bar-fine" of 500 pesos (£7 to £14), of which she gets half.

There are 7,000 licensed hospitality girls like Candy in Olongapo. Twice a week they submit themselves to US tests paid for by the US Navy. There are also around 14,000 illegal prostitutes. Candy says she does not like her trade, but shrugs. "What else can I do?"

Outside the town Father Shay Cullen, an Irish priest, runs the Preda Foundation, a centre for homeless children and drug addicts. He has clashed frequently with Mr Robert Gordon, the Mayor, about the social costs of having a US base "on Olongapo's doorstep". The lucky ones are those who work on Subic. They earn a reasonable enough wage. But the rest of the town's population, the 70 per cent who are poor, are there to satisfy a simple law of supply and demand.

Around 24,000 local people work at the base, many as skilled fitters in its vast ship repair facility. With Clark Air base, the other main US military facility in the Philippines, Subic is reported to pump more than £500 million into the local economy through wages, contracts and spending by servicemen.

Seven years ago Father Cullen came across a child selling on the town. "I wasn't going to have that," he says. He adds that some local children have contracted Aids. Father Cullen has drawn up elaborate plans for the conversion of Subic's facilities to peaceful uses, including the establishment of a world university of ecology. He calls the US "rent" for its Philippines bases (currently \$481 million a year) the diplomatic equivalent of a "bar fine".

# President moves on Cyprus deadlock

Athens

PRESIDENT Karamanlis has accepted an invitation to pay an official visit soon to Cyprus, the first by a Greek head of state since the island republic gained its independence from Britain. (Chris Eliou writes)

The invitation was extended by his Cypriot counterpart, President Vassilou, who is holding talks with the Greek Government leadership on the deadlocked Cyprus problem.

## Killer croc

Sydney — A crocodile ate a telephone engineer just hours after he arrived on Groot Eiland, a remote island off northern Australia, to service telephone lines. In a bizarre twist, police were questioning a man in connection with the theft of the crocodile's carcass in which the engineer's remains were found. (Reuters)

## Rebels strike

Kampala — Ugandan rebels of the Holy Spirit Movement, a fanatical religious group, killed 20 people in the north last week, including eight soldiers ambushed near Kitgum. (Reuters)

## Airport bomb

Munich — Munich airport was closed and all flights suspended for half an hour when construction workers found a US bomb from the Second World War only 300 yards from a terminal, a spokesman said. (Reuters)

## Coup toll

Antananarivo — Five people were killed and 20 wounded on the Indian Ocean island of Madagascar in the failed weekend coup attempt during which rebels held the state radio station for a time. (Reuters)

## Bible story

Helsinki — Mr Hannu Haukka, a Finnish Pentecostalist, says that he has signed a contract with Soviet television to broadcast Bible stories nationwide in the Soviet Union. (AP)

# For the fifth year running, we're the talk of the British aisles.

As one of Britain's largest and most successful companies, British Gas plays an important role within the community.

We're committed to encouraging excellence in the Arts, so we're delighted to be sponsoring the London Festival Orchestra's Summer Festival of Music in Cathedrals for the fifth year in a row.

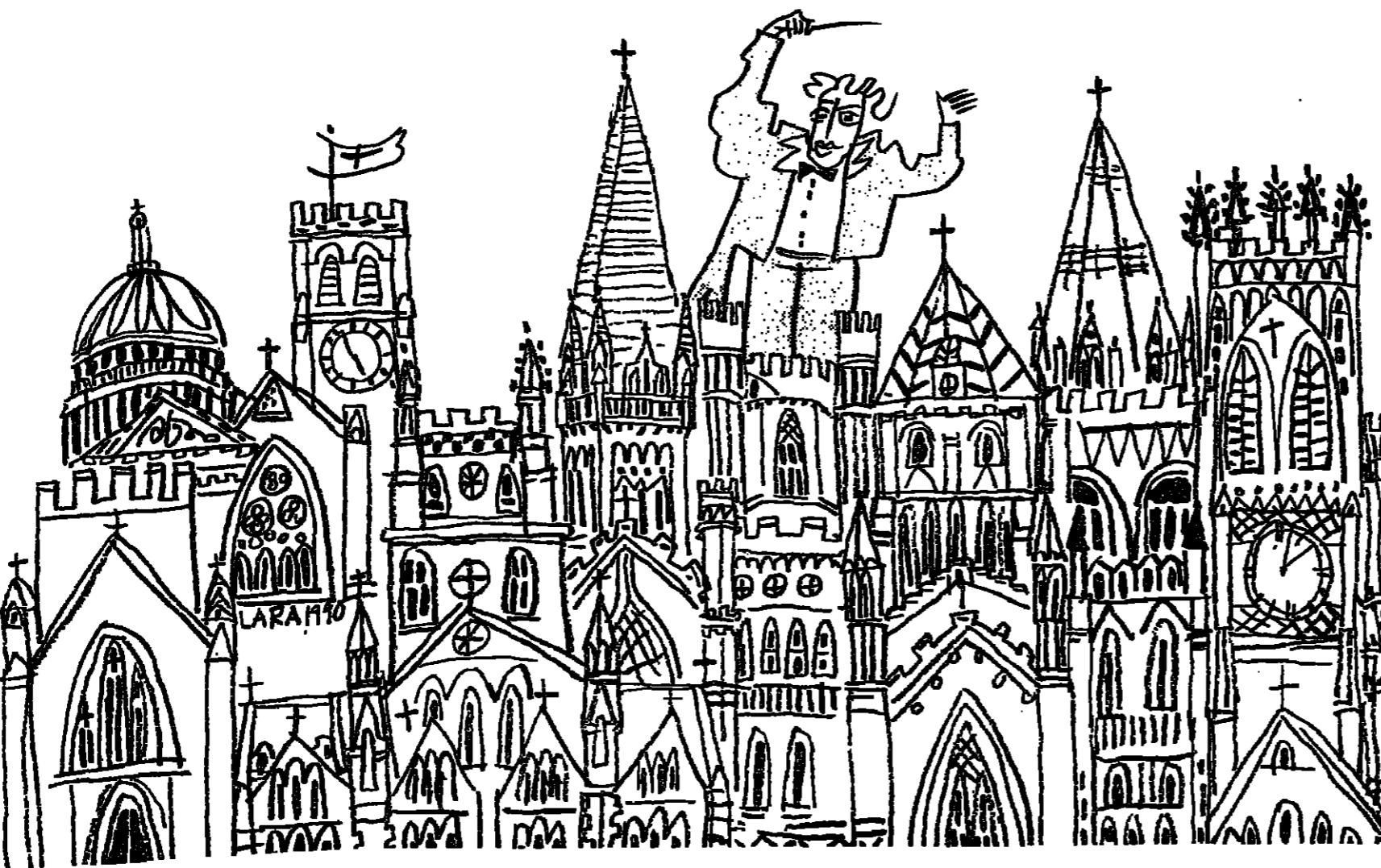
This year, Cathedral Classics takes the LFO to 25 venues up and down the country, culminating in a September Special at St George's Chapel, Windsor.

The programme is directed by Ross Pople and includes LFO soloists, international guest artists, cathedral choirs and choirmasters and the performance of a new commission from a British composer.

If you'd like a free copy of the Cathedral Classics brochure, please write to Festival Box Office, PO Box 1234, London SW2 2TG or telephone 081-671 7100 (24-hour answerphone).

But hurry. It's such an exciting event that you'll need to book a pew.

**British Gas**



Glasgow Cathedral  
Monday 28th May

Durham Cathedral  
Tuesday 29th May

Nottingham Cathedral  
Wednesday 30th May

St Paul's Cathedral  
Thursday 31st May

Rochester Cathedral  
Saturday 2nd June

Canterbury Cathedral  
Tuesday 5th June

Chichester Cathedral  
Wednesday 6th June

St Mary's Collegiate Church, Warwick  
Thursday 7th June

Chester Cathedral  
Friday 8th June

Ripon Cathedral  
Saturday 9th June

St Mary's Cathedral, Edinburgh  
Sunday 10th June

Newcastle Cathedral  
Monday 11th June

Carlisle Cathedral  
Tuesday 12th June

Bradford Cathedral  
Wednesday 13th June

St Asaph Cathedral  
Thursday 14th June

Manchester Cathedral  
Friday 15th June

Clifton Cathedral, Bristol  
Tuesday 19th June

Llandaff Cathedral  
Wednesday 20th June

Lincoln Cathedral  
Friday 22nd June

Southwark Cathedral  
Tuesday 26th June

St Albans Cathedral  
Wednesday 27th June

Winchester Cathedral  
Thursday 28th June

Ely Cathedral  
Wednesday 4th July

St Chad's Cathedral, Birmingham  
Saturday 7th July

St George's Chapel, Windsor  
Thursday 27th September

**CATHEDRAL CLASSICS**

# Uplifting the underclass

Raymond Plant

Waiting recently in the Casey Jones restaurant at Waterloo for a delayed train, I was twice joined by men who sat at my table and asked me for money. This is now a common feature of London life, seen by many as a manifestation of a new underclass.

For the past three weeks leading American social policy specialists have been in London for a series of seminars on the emergence of an underclass in some of the most successful capitalist economies. In Britain, the issue has only recently been taken seriously. (Charles Murray, one of the visiting American academics, did much to bring it to public attention with an article on the British underclass in *The Sunday Times Magazine* last year, and has now contributed to a report published yesterday by the Institute of Economic Affairs.)

The issue, however, is not a new one. The spectre of an underclass has haunted critics and defenders of capitalism for nearly two centuries. Of course, pre-capitalist societies knew abject poverty and destitution, but there are features of industrial capitalism that transform sections of the poor into an underclass, in the sense that they not only lack resources, but are alienated from society. This puts them beyond social control.

In earlier forms of society, everyone belonged to traditional communities of one sort or another, each with generally accepted values. However, the social mobility required by a capitalist economy broke the bonds of these communities and weakened kinship relations. The poor became concentrated in particular areas of cities because geographical neighbourhoods have specialized economic functions. Since the social ties of pre-capitalist societies have broken down, the behaviour of the underclass is no longer susceptible to informal control by family, church or neighbourhood.

These moral aspects of dire poverty were clearly identified in the early years of the 19th century by Hegel, who wrote that the problem of poverty is not just a lack of resources, but the breakdown of the social networks on which the poor had relied. In Britain, such sentiments soon became commonplace. Many commentators thought that large cities, particularly London, contained a threatening underclass, variously called the "unregenerate poor", the "mendicant poor", "the dangerous class", and, most chillingly, "the residuum".

From 1945 until recently, this was not seen as a problem. Social democratic thinkers believed that economic growth would allow for a fairer distribution of resources, continually improving the relative position of the poor, while Conservatives assumed that growth would reduce poverty as surely as

The author is Professor of Politics at Southampton University.

...and moreover

ALAN COREN

Some would say that I went to the barber yesterday. Others the hairdresser. Certainly, he would prefer the latter, they all do, but you know me by now, punctilious to the point of what I might be tempted to call nit-picking, the "dangerous class", and, most chillingly, "the residuum".

We have to tackle the problem as a society, not by throwing the burden back on those least able to bear it, particularly since the vast majority of the poor do not choose to be so. We must also see it as connected with justice in terms of the distribution of resources and opportunities.

The author is Professor of Politics at Southampton University.

about Archy's welcome something more than usually warm. Did I detect, bursting through his traditional semi-annual recriminatory banter, a new glee? Was there, as he whisked the sheeting over me, a flourish not unlike one of Domingo's better veronicas? As he tucked it into my collar, could it be excitement that was infecting his fingers with what was, for Archy, a disturbingly unprofessional tremble? And, most intriguing of all, did the mirror offer, as his head bent towards mine, a hint of a knowing smirk as he said, as he has said every six months for the past ten years, "How would we like it today?" in order to evoke the equally ritualistic response: "The usual, Archy, ha, ha."

This time, something in his manner held me back.

"I don't know, Archy," I said. "Any ideas?"

It was what he wanted. You could see it in his eyes. You could feel it in the way he straightened up. But more than any of this, you knew it from the way he reached for the shelf below his unguent cupboard.

He was going to take out the book.

I knew the book. I had seen Archy take the book out before, for other men, while I had been waiting my turn. They were men with thick heads of hair. It was a pattern book. It contained photographs of Robert Redford and Tom Cruise and Jason Donovan and a brace of Bros, and many another lucky hairy of this generation and that, so that the customer could peer and pick to suit his aspirations. I had never been offered the book before. There had been no point.

I took the book, and looked up at him.

"You can't stand still in this business," said Archy. "Look at the back."

It was the turn of my finger to tremble, now. Had there indeed been a breakthrough? I opened the book. There were new photographs there.

Of Clive James. Of Bobby Charlton. Robert Robinson. Frank Bough.

"How about that?" cried Archy. "See anything you like?" I closed the book, and handed it back.

"The usual, Archy," I said. "Ha, ha."

James Le Fanu believes the authorities have over-reacted to the fear of mad cow disease

# Taking an axe to crush a microbe

Should the death of a solitary kitten require the destruction of six million cows to prevent a disease that has never been known to occur in humans? There is, to be sure, a certain logic behind Professor Richard Lacey's demand this weekend. The kitten's neurological illness may have come from eating cat food that may have been contaminated with nervous tissue from a cow that may have had bovine spongiform encephalopathy, indicating that the disease may be able to jump from one species to another. And if from cow to cat, why not cow to humans?

But like many others, I suspect, my initial reaction was that there were a few too many assumptions here to pronounce the death sentence on six million possibly innocent cows, not to mention the livelihood of the farmers who look after them.

Food poisoning seems to bring out a tendency among some guardians of the public health to over-react. One could call it the hyperbole factor — it is inescapable because it is built into their calculations. Thus it is well known

that the number of cases of food poisoning is under-reported. To compensate for this, Professor Lacey, in his book *Safe Shopping, Safe Cooking, Safe Eating*, published last year, says: "When looking at the events in Britain over the last few years, I propose to arrive at the real figures (of food poisoning) by multiplying each annual reported figure by 10."

He is certainly not alone in this but there is a feeling that the habit of mind that adds noughts to official figures might itself become infectious when it comes to telling the public the "facts" about food poisoning.

Arguments about the extent of

the problem and whether its recent increase is genuine or merely reflects better systems of reporting all obscure an essential truth: that trying to prevent food poisoning is an unwinnable war. The bacteria are just too bright for us.

Consider what we are up against. Invisible to the naked eye, a hundred million salmonella could easily dance on a pinhead.

When the mood takes them, their reproductive capacity is phenomenal: one bacterium can readily

produce a quarter of a million little bacteria in a few hours. They have extraordinary powers of survival. *Clostridium botulinum* can change itself into a small hard sphere resistant to all forms of destruction and survive in the soil for years.

*Clostridium perfringens* is resistant to ordinary cooking temperatures. *Listeria* can grow at temperatures below freezing. They are specialized in what they contaminate, so no type of food can be considered safe. *Clostridium* lives in meat and fish, *salmonella* in poultry, the *staphylococcus* in baked products, *bacillus cereus* in cereals and *aspergillus* in nuts and fruit.

They are highly adaptable. Thus salmonella, a standard contaminant of poultry, has learnt to avoid the fate of being destroyed in the oven by invading the chicken's oviducts. Now it arrives on the dining table beautifully packaged in an egg but no one can tell which one. Very smart.

It used only to be necessary for the cholera organism to contaminate a water pump in a populated part of London for there to be a major epidemic of the disease. All that has changed. Fundamental reforms of the public health system have cleared up the water supply and cholera has disappeared. The brilliance of food poisoning bacteria lies in how they have swapped their traditional tactics of overwhelming us by sheer weight of numbers and developed instead a highly discriminatory form of guerrilla warfare.

Bacteria are still ubiquitous but now they seem to pick on their victims sporadically, making it very difficult and certainly frustrating to try to prevent outbreaks. Most cases of food poisoning are one off, the source and organism never identified. Even when there is what could be called a major outbreak at some public function, it is surprising how often the trail goes cold.

The guardians of the public health are forced back on more and more Herculean measures to try to combat the problem. If even a minority of eggs was contaminated with salmonella and only a minority of those so infected developed symptoms, then one

would know what to do. But it seems as if very few eggs are so contaminated, and one would need to eat an egg a day for 10 years to have a virtually certain chance of suffering at the hands of the organism, and the obvious question arises whether widespread destruction of flocks to attempt to defeat so mercurial an enemy is justified.

This is the dilemma posed by mad cow disease; though at one further remove since we do not even know if it causes an illness in humans, and probably will not for 20 years, it is quite unrealistic to suppose one can prevent food poisoning by slaughtering any creature that might be thought to harbour an organism that can be harmful to humans.

Though food poisoning will remain an elusive problem, the concern it has generated has at least required the re-examination of how we look after our domestic animals, how we house them, and how we feed them. For this we should surely be grateful to Professor Lacey.

The author is a South London general practitioner.

# Moscow's unity price: a nuclear-free Germany

Conor Cruise O'Brien sees the hardening Soviet line as more than bluff—and urges Western sympathy



would be more dangerous than one in Nato, an institution they see as a potentially restraining force. I believe this to be fallacious. If, as most people believe, there is no resurgence of military nationalism in a united Germany, it will be as unthreatening outside Nato as in. But if, as some of us fear, there is such a resurgence, then a united Germany will not be restrained by Nato: it will leave Nato, rather than accept foreign restraints, and will then acquire its own national nuclear weaponry.

Why then does the Soviet Union put such stress on Nato membership? I think it is a symbolic issue, but what it symbolizes is of great importance to the Soviet Union. The Russians are saying, in effect, to the Germans: "Before we leave your territory, you are going to have to negotiate with us, one to one — not as a member of a military alliance — over our security concerns. And until those security concerns — as defined by us, not by you — are fully satisfied, we are not going to leave your territory."

From a Soviet point of view, an eventual acceptance by Bonn of departure from Nato would signal acceptance of that agenda. Through that acceptance, the allied nuclear weapons would be removed from German territory, and a united Germany would then become a nuclear-free zone. It would be up to Moscow to ensure that it stayed that way, by requiring the united Germany, by treaty, to commit itself never to acquire nuclear weapons, and to make that commitment subject to international verification.

The Russians could then withdraw their troops from a united Germany with reasonable confidence that the forces which took the lives — on the revised estimate, published last week — of 27 million of their citizens in this century can never threaten them again.

I believe Germany will eventually accept those terms when it finds there is no other way of getting rid of the Russians. I also believe that West Germany's present Nato allies would witness a united Germany's exclusion from Nato, on those terms, with a secret sense of relief. And some Germans, too, would be relieved.

"a short transitional period". Herr Kohl has a tendency to use language that suggests he is in a position to dictate terms to a defeated Soviet Union. To be seen as standing up to the Russians may have been considered advantageous in the run-up to the West German elections later this year, though this week's Lander election results must have been disappointing in that respect.

But when the elections are over, the Russians will still be there. The only way to get them out is through negotiation. And if negotiations are to succeed, those involved will have to show more respect for one another's positions than the Chancellor showed last week towards Moscow's.

Some people are surprised at the Soviet insistence on "out of Nato". The Poles, for example, believe that a "neutral" Germany would be

The barman still refused: "Who do you think we are — Tesco's?"

The white man, previously silent, then intervened. "This," he said, "is Archbishop Desmond Tutu, and we want a loaf to carry out communion on the journey."

With all explained, a loaf was promptly found. "The look on the barman's face was a sight to behold," said a fellow passenger who witnessed the incident.

As the rivalry between the Noblemen and Gentlemen's Catch Club, a musical dining society which includes among its members judges, bishops, peers and generals, found something new to sing during last week's dinner at the House of Lords, instead of age-old gales and madrigals, they launched into the menu. Playwright Ian Curtis introduced composer Francis Raud, who had set to music the words: "Cucumber and fresh mint soup... Fillet of lamb in vine leaves... Broccoli Hollandaise... Minted new potatoes... Peach Cardinale... Coffee."

Service, no smile

Two men — one white one black — went into the buffet car on a London-Exeter InterCity train recently and asked for a bottle of wine and a loaf of bread. "The wine, yes," said the barman, "but not a loaf of bread. You can have a BR sandwich or we can do you burgers, sausage rolls, pasties or crisps, but we don't sell loaves."

"But it's very important," said the black man. "We would appreciate your help."

## Forewarned

With the introduction of its summer timetable, British Rail has further inflamed Peter Mandelson, Labour communications genius and now parliamentary hopeful for Harlepool, where he has bought a house. "The journey from King's Cross to Darlington takes two and a half hours — and another two and a half hours for the remaining twenty miles," he says. "The connecting services have long been unreliable, and now BR has cut the number of connections. Unless it does something, it has another enemy on its hands." Mandelson is expected to walk into a ministerial job if Labour wins the next election. Just suppose it's at Transport...

## Ice-cream scoop

Clive Jenkins, the man who gave white-collar unions credibility, is back, bronzed and fit, after his sabbatical in Tasmania following early retirement as general secretary of the Managerial, Scientific and Financial union, once the ASTMS. He is looking for "new crises" to get his teeth into, he says, and may provoke a few with his autobiography, to be published in the autumn. He offers as a taster the story "that Mrs Thatcher was a member of a Communist-led trade union". There is no proof, but that has not stopped Jenkins speculating that while employed by Lyons as a research chemist "to invent ways of getting more air into ice-cream", she should have been a member of the Association of Scientific Workers, then under the hard-left thumb.

the Globe said: "Discussions are going on about how the needs of our separate campaigns can come together." But Simon Hughes, the local Liberal Democrat MP and a member of the Rose Trust board, said: "The Rose Trust has specific obligations to meet. We are not against collaborative ventures. But it is widely accepted that the logical sequence is to preserve the remains of the Rose first and then get on with rebuilding the Globe."

As the rivalry between the Noblemen and Gentlemen's Catch Club, a musical dining society which includes among its members judges, bishops, peers and generals, found something new to sing during last week's dinner at the House of Lords, instead of age-old gales and madrigals, they launched into the menu. Playwright Ian Curtis introduced composer Francis Raud, who had set to music the words: "Cucumber and fresh mint soup... Fillet of lamb in vine leaves... Broccoli Hollandaise... Minted new potatoes... Peach Cardinale... Coffee."

Service, no smile

T

Two men — one white one black — went into the buffet car on a London-Exeter InterCity train recently and asked for a bottle of wine and a loaf of bread. "The wine, yes," said the barman, "but not a loaf of bread. You can have a BR sandwich or we can do you burgers, sausage rolls, pasties or crisps, but we don't sell loaves."

"But it's very important," said the black man. "We would appreciate your help."





1 Pennington Street, London E1 9XN Telephone 071-782 5000

## SETBACK FOR HERR KOHL

The Social Democrat victories in Sunday's state elections in North Rhine-Westphalia and Lower Saxony, which together comprise nearly two-fifths of the West German electorate, do not spell doom for Chancellor Helmut Kohl in the federal elections this December. His governing coalition is still ahead in West German opinion polls, and leads decisively on the pan-German stage. Hence Herr Kohl's inclination to respond to defeat by putting his foot on the accelerator, and to hint at an early date for pan-German elections.

The SPD, like the Labour Party in Britain, has shown that it can garner the protest vote. Sunday's polls turned on a single issue: the economic and social costs of German unity. The SPD has played skilfully on that theme.

The more West Germans learn about the rotten state of the East's economy, the more they suspect that the bill will be far higher than the Government's official estimate of around £75 billion over five years. The Government's claim that by 1993, free enterprise in the East will have created a second German economic miracle, increasing government revenue by £37 billion, can be neither proved nor disproved; but most West Germans believe that massive investment will be required before the "miracle" materializes.

Uncertainty breeds anxiety: electors are worried about the stability of the Deutschmark, and unconvinced by Herr Kohl's assertions that higher income taxes will not be necessary. The massive demonstrations and strikes in East Germany last week, demanding more concessions in the negotiations over monetary union, reinforced the SPD's message that the Chancellor is setting too fast a pace for reunification and that low-income families and pensioners will be hardest hit.

Herr Kohl's plan to make the Länder foot a third of the reunification bill has not helped the CDU. Extra competition for jobs and housing are hot issues in North Rhine-Westphalia, the FRG's most populous and industrialized state. Lower Saxony, with its long border with East Germany, has its own reasons for disenchantment: with unification, it would lose the special federal grant for border regions.

## BOGUS SOCIAL WORKERS

Child sex abuse is enough of a horror without the bizarre complication of bogus social workers calling on families with young children and apparently intending to commit it themselves. Theirs is a peculiar and disturbing crime, in which one of the most unpleasant of common confidence tricks carries overtones of sexual perversion and child abduction.

The crime would not be possible if members of the public were not either extremely trusting of social workers, or at worst intimidated by them and by their enormous power to cause the most painful disruption to family life. The Cleveland sex abuse affair casts a long shadow.

A social worker has in fact no right without express court authority to gain entry to a family home in order to inspect the condition of the children or remove them to a "place of safety". But enough members of the public appear to believe they have to make it plausible. The bogus social workers sometimes suggest they are checking on allegations of child abuse, and the common reaction of indignant and innocent parents is to produce the child and offer it for inspection to prove the allegation is nonsense, while secretly fearing that an unco-operative attitude could count against them. In present circumstances, the better reaction is to send the caller packing and alert the police immediately.

Agencies for the welfare of families and the protection of children have increased to such an extent that the list of those officials who sometimes knock on doors seeking information or offering advice in the name of welfare has grown to ridiculous proportions. There are at least a dozen such categories. No doubt all of them can justify their role, and point to some statutory authority for it.

The problem lies in the proliferation of such roles, each slightly different in scope and legal basis, which have grown beyond the point at which the public can keep track of them. Some also hold the purse strings of welfare benefits and rebates, and it may not seem wise to offend them. The social worker, with unquantified

## DRAWING TO A CONCLUSION

If Manchester United and Crystal Palace end the Cup Final replay on Thursday on level terms they will settle the issue between them with a "shoot-out". After four hours of heroic struggle the match will be won (and lost) by kicking penalties. Honour, however, will remain unsatisfied.

This is now the most popular method for settling old scores (or no scores at all). Since it began in Europe in the 1960s it has been adopted by most football competitions. Three of the four quarter finals of the last World Cup in Mexico were resolved thus. In Britain both the Welsh Cup and Scottish Cup now use it. The practice is superior to the old one, which in Europe usually meant tossing a coin. None the less it is controversial and unsatisfactory.

The Football Association resorts to it only in extremes. Last Saturday's draw after extra time at Wembley, the first at the FA Cup Final in seven years, has led to a replay. Only if that too fails to separate the teams will they have to settle the contest in this way. Even a replay, however, falls short of the ideal. However well they acquit themselves on Thursday, the match will be a mid-week anti-climax. Those who travelled to Wembley or watched the match on television hoped for and expected a result. The FA should seek an entirely fresh solution.

One might be to redraft football's laws by literally moving the goalposts — and the crossbar. Under Law 1 Rule 6 the goalposts should always stand eight yards apart and the bar should be eight foot high. But packed defences and cynical professionalism have made the net seem ever more elusive. Too many matches end in a draw and more often than not these are what are known in the pools

The results alter the political arithmetic in West Germany in one important way. The Government has lost its majority in the federal Upper House drawn from Länder governments. The SPD has said that it will not hold up reunification, but will use its constitutional power to force the Lower House to submit legislation rejected in the Bundesrat to a conciliation committee, where it will insist on "social justice". Ironically, the levels of investment in East Germany which the SPD says would be necessary to be fair to all would drive up costs — fulfilling its prophecy of a threat to West Germans' prosperity.

More ominously for Herr Kohl's strategy, the financial contributions he seeks from the Länder are so unpopular with several non-SPD states that the SPD might win defections on that issue, giving it the two-thirds majority needed to block Lower House legislation indefinitely. Sunday's vote could force him to find new ways of financing German reunification. His only realistic alternative would be to raise personal taxes. Herr Kohl will be treading on eggshells when he meets the Länder prime ministers tomorrow.

Herr Kohl's advisers believe, with some justification, that the SPD's extremely cautious evolutionary route to unity would cost more by delaying East Germany's transition to the free market and would also render East Germany even more volatile politically. He believes that his fast-track strategy would yield material benefits in East Germany within a few months of the completion of economic union in July. But reunification will inevitably produce high East German unemployment.

As early date for Pan-German elections would, as he claims, shorten the period of uncertainty. It could enable Herr Kohl to capitalize on the electorate's underlying excitement, and pride, in German union, before the pain of adjustment in East Germany becomes too intense. The weekend's elections have brought out what divides his countrymen. He has until December to return the CDU harp to the mightier theme of what unites them — and sweep on from there to pan-German victory.

power to intervene in family life and all too quantifiable power over family income, has become an ambivalent symbol of a compassionate society, drifting towards a meddlesome society.

Less ambitious notions of social workers' responsibilities, and greater discrimination in the selection of clients, might improve their effectiveness. They cannot be expected to screen the whole population of young children for evidence of neglect or abuse; nor should they be condemned if they miss some cases among sections of the population towards whom their efforts were not targeted.

Before genuine social workers express too much alarm at the breakdown of trust resulting from the activities of their criminal impersonators, they might reflect that some breakdown of the climate of official intimidation would be no bad thing. Indeed it must be part of the police tactics against the present scourge, to encourage it. Publicity given to previous cases of impersonation has prompted mothers of young children to shut the door in the face of purported social workers whose credentials seemed dubious, no doubt not all of whom were bogus.

Exactly what lies behind the present outbreak will not be known until some of the perpetrators are apprehended. Yesterday's conference of police forces in Sheffield marked a belated recognition that mobile criminals such as these are no respecters of police boundaries. Only a high level of co-ordination across boundaries will bring the evil to an end. Publicity must be the primary weapon, and as publicity on a merely local level will drive the perpetrators into other areas, it must be national. If that means that real social workers all over the country will find themselves treated with greater circumspection, even inconvenienced in their work, then so be it. The demystification of the power of the social worker is not too high a price for preventing what could be a horrible crime.

On recent visits to California I have been interested to see that such information is published on a monthly basis in local newspapers. Yours truly, JOHN F. MARTIN, 57 Ticehurst Hill, Loughton.

trade as "no score". If one made life harder for the goalkeeper and his backs the public might see more excitement and results. In rugby where it is easier to score points a draw is an infrequent phenomenon.

Other sports are constantly evolving to take account of improvements in fitness or technique. In athletics the weight of the javelin has been increased. The rules of rugby are always being rewritten.

The weakness of this root and branch solution is that it would need to be approved internationally. By the time the Federation of International Football Associations (FIFA) had found a consensus for change and persuaded all to agree upon the detail, the reform would have lost its impetus and meaning.

A more practical solution might be to insist on a "sudden death" play-off after extra time. Extra time itself might be played, as it is, for half an hour, after which the two sides would re-engage and keep on playing until one scored. Alternatively the "sudden death" play-off might replace extra time, which would be less exhausting for the players.

Golf and tennis have both adopted versions of this as a means of separating evenly matched players. These are more successful than the "shoot out" used in football because they involve all facets of the game. In the case of football the bother of a replay, which prolongs an already over-extended football season, would be avoided. TV schedules and trains might be upset, but the move would be worth such inconvenience. Each final would produce a famous victory as well as a fairly honourable defeat.

## LETTERS TO THE EDITOR

### Restrictive clause in strike Bill

From Professor Lord Wedderburn of Charlton QC, FBA

Sir, The new Government amendments to the Employment Bill, to be debated on May 17, were given wide publicity for their requirements that in trade union ballots on industrial action the names of scrutineers and of officials calling the action must be notified. But in the complexities of the Government's new clause a much more radical change is proposed.

For a ballot to be effective and, therefore, for workers' industrial action to be lawful, the new clause demands that "there must have been no call by the trade union to take part... in industrial action to which the ballot relates... before the date of the ballot".

This astonishing limitation on the civil liberty even to propose a withdrawal of labour is advocated only a year after the much respected Committee of Experts of the ILO (International Labour Organization) observed that the British law on strikes had already fallen below the minimum standards required by ILO Conventions on freedom of association to which the United Kingdom is a party. These new conditions will make that position worse.

Even in the absence of an express call from the union, decided cases show how the courts may discover in its conduct an implied inducement or encouragement. The clause manifestly includes such conduct. Also, in its legislation of 1988, the Government has already stipulated that an inducement remains effective in law even if "not effective" in fact. It may well be, therefore, that the new clause might prohibit a union even from urging its members to vote "Yes" in the ballot, for that might constitute an implicit "call" to take action.

Elementary fairness suggests that this really goes over the top. When this Secretary of State assumed office, he was understood to say that there was no need for any new legislation in this area. Sadly, his peaceful piping now turns out to be the long-barrel artillery of anti-union legislation.

Yours sincerely, WEDDERBURN OF CHARLTON, 29 Woodside Avenue, Highgate, N6. May 11.

### Land maintenance

From Mrs Margaret Warwick

Sir, I should like to add a comment to the letter from Viscount Hampden (May 7) regarding the necessity of maintenance when land is taken out of agricultural use. On buying our present house, my husband and I acquired a neglected plantation of Norway spruce, probably untouched, apart from harvesting, for about 10 years. It was a wilderness of nettles, brambles, docks and the most pervasive types of coarse grass, especially where the trees had been cut down.

Our attempts to turn it into deciduous woodland necessitated endless hacking and hoeing — also, sadly, some use of toxic weed-killer. As anyone who has tried to grow a "wild" garden will know, you really have to work at it.

Yours faithfully, MARGARET WARWICK, 23 Ashley Road, Uffculme, Devon. May 7.

### Which estate agent?

From Mr John F. Martin

Sir, Mr R. Green (May 1) is, of course, correct. Those who use estate agents are only interested in effectiveness in finding buyers for houses. Were the addresses of houses sold and the price realized widely known throughout a locality many house owners would be able to dispense with the services of estate agents.

On recent visits to California I have been interested to see that such information is published on a monthly basis in local newspapers.

Yours truly, JOHN F. MARTIN, 57 Ticehurst Hill, Loughton.

trade as "no score". If one made life harder for the goalkeeper and his backs the public might see more excitement and results. In rugby where it is easier to score points a draw is an infrequent phenomenon.

Other sports are constantly evolving to take account of improvements in fitness or technique. In athletics the weight of the javelin has been increased. The rules of rugby are always being rewritten.

The weakness of this root and branch solution is that it would need to be approved internationally. By the time the Federation of International Football Associations (FIFA) had found a consensus for change and persuaded all to agree upon the detail, the reform would have lost its impetus and meaning.

A more practical solution might be to insist on a "sudden death" play-off after extra time. Extra time itself might be played, as it is, for half an hour, after which the two sides would re-engage and keep on playing until one scored. Alternatively the "sudden death" play-off might replace extra time, which would be less exhausting for the players.

Golf and tennis have both adopted versions

### Ward closures and NHS priorities

From Mr John M. Douglas

Sir, Mr Richard Noddy's letter (May 11) seems to sum up all the reasons why attitudes within the NHS are so desperately in need of change. Mr Noddy refers to the size of "his" unit, the number of its staff and the extent of its academic reputation. In the seventh paragraph he mentions the training requirements of his junior staff. In the penultimate para-

graph he finally mentions patients. Surely the order needs to be reversed. The first and most important role of a public health care system is to provide high-quality care for patients at minimum costs to the taxpayer (these are not incompatible aims since the taxpayer and patient are the one and the same).

The second role must be to provide decent working conditions for the staff. This must include the juniors doctors as well as the consultants. The current system where surgical trainees are required to work in excess of 80 hours a week cannot be said to be to the advantage of the NHS.

A third and very distant priority must be to allow consultants the satisfaction of setting up "little empires" as and when it suits them. Certainly there can be no question of pumping cash into the NHS until every consultant has his/her own unit.

I wish Mr Clarke well in his attempts to manage the NHS but I fear that it will not be easy.

Yours sincerely, JOHN M. DOUGLAS, 9 Wolsley Road, Chiswick, W4. May 11.

From Mr Anthony J. Baxter

Sir, As a patient of Mr Richard G. Noddy, I was personally involved in the closure of the urology ward of the Royal Surrey County Hospital. I was profoundly disturbed at the time and am now deeply saddened by his letter.

Elementary fairness suggests that this really goes over the top. When this Secretary of State assumed office, he was understood to say that there was no need for any new legislation in this area.

Sadly, his peaceful piping now turns out to be the long-barrel artillery of anti-union legislation.

Yours sincerely, A. J. BAXTER, St Mary's, Derrywood, Womersley, Guildford, Surrey. May 12.

In common with everyone else involved in Eastern Europe, we are inevitably learning as we go, but Mr Boyes is far too pessimistic in his assessment of what we have done so far. I agree with Mr Fox that initially we were not focused enough — partly because we took over and expanded a number of disparate and existing schemes managed largely by the British Council — but we are now concentrating on a limited number of sectors.

Our main areas of concentration are in banking and finance, accountancy advice and training, macro-economic advice, energy, agriculture, management training, local government, commercial law, police training, and training for journalists and media people.

Official expenditure on Poland is mounting — in 1990 we expect to spend around £250 million (including debt relief). Disbursements under the "Know-How" Fund in 1989-90 was £2.3 million, and are expected to be around £9 million in 1990-91 (of which 75 per cent will be in our main areas of concentration). This seems a creditable achievement from a standing start in July last year.

My question, "Where are the British?" was primarily aimed at British business: with some honourable exceptions, such as British Sugar, they have not been prepared to take the commercial risk involved in exploiting the undoubtedly opportunities that exist in Poland.

Our main areas of concentration are in banking and finance, accountancy advice and training, macro-economic advice, energy, agriculture, management training, local government, commercial law, police training, and training for journalists and media people.

In Kenya alone, fenced and guarded sanctuaries for black rhinos have been built on Government-owned land in the Nakuru National Park by the Rhino Rescue Trust and in the Tsavo National Park, and a third is under construction in the Aberdares. Several more rhino sanctuaries exist in the country on privately-owned and protected ranchland.

It is hoped that these sanctuaries in Kenya and elsewhere will help to ensure the survival of black rhinos in Africa, until the only protected population of indigenous black rhino left in East Africa".

In Kenya alone, fenced and guarded sanctuaries for black rhinos have been built on Government-owned land in the Nakuru National Park by the Rhino Rescue Trust and in the Tsavo National Park, and a third is under construction in the Aberdares. Several more rhino sanctuaries exist in the country on privately-owned and protected ranchland.

That statement began with these words:

The policy of the British Government towards the hostage problem has been a sound one. Nothing should be done that would appear to reward hostage-taking, for that would encourage yet more of it.

The Archbishop went on to say that he believed the time had come for the Governments of the UK and Iran to talk directly to each other to see how progress could be made. Dr O'Brien finds that intolerable. He evidently believes that it is better that the parties to a quarrel should, like embittered spouses, maintain stony silence rather than consider together whether there are some ways of resolving their differences honourably.

Of course, any sensible man or woman recognises that it may not be possible to reach an honourable resolution. But to argue that the parties should not even try is to preach despair.

Yours faithfully, JOHN LYTTELTON, Lambeth Palace, SE1. May 9.

Aspects of love

From Miss Lynette Fenley

Sir, Alan Coren writes today (May 9) that under the British educational system he gained the ability to decline amo. When I was at school, one learnt to conjugate verbs, but to decline nouns.

Surely, to decline nouns would be something slightly different?

Yours faithfully, LYNETTE FENLEY, 44 Narbonne Avenue, SW4. May 8.

Letters to the Editor should carry a daytime telephone number. They may be sent to a fax number — (071) 782 5046.

### Stowe gardens and gravel pits

From the Chairman of the National Trust and others

Sir, We write to express our grave concern about the proposed extraction of gravel on land close by Stowe Landscape Gardens (report, early editions, May 12).</



## ANNOUNCEMENTS &amp; PERSONAL

Father teachers promise freedom while they themselves submit slaves of destructive habits. Submission is a slave of anything that has controlled him.

2 Peter 2: 19

## BIRTHS

**SEYAN** - On May 12th 1990, in Ashton and William, a daughter, Lucy Clare, a sister for George.

**STOTTONLEY** - On May 4th 1990, at The Royal Infirmary, Castle Hill, Winchester, to Penny (nee Brown) and Robert, a son, Robert, a brother for Kit.

**CROALL** - On May 1st, to Diana, a daughter, Felicity, a sister for Anna, Rebecca.

**DR. SAUERHABER** - On May 1st 1990, in Germany, to John and Nicholas, a daughter, Emily Carl.

**ELIAS** - On May 8th, at St George's Hospital, London, to Nicola (nee Pugh) and John, a son, Robert, a brother for David.

**FEARNSIDE** - On May 21st, to Clare (nee Parker) and William, a daughter, Eleanor, a sister, Frances, George, Elizabeth and Margaret.

**FORTUNE** - On May 8th, at St Richard's, Chichester, to David, a son, Luke, John Brook, a brother for William.

**FRITH** - On May 11th, to Diana (nee Lovell) and Donald, a son, Alexander, for Nicholas, Naomie and Alice.

**GEORGINOU** - On May 9th, at The Portland Hospital, to Kay and George, a son, Christopher, a brother for Steven.

**HOEY** - On May 11th, to Kay (nee Fallon) and Laurence, a son, Christopher.

**JACMON-HOOD** - See Udgawa.

**LAMBERT** - On May 11th, in Chelmsford (Suffolk) (nee Pym) and William, a son, Christopher.

**MEPSTEAD** - On May 11th, at The Portland Hospital, to Janet (nee Kudo) and Stephen, a son, Alexander, for Nicholas.

**MAGAMAHON** - On May 10th, at The Portland Hospital, to Maria (nee Falco) and Donald, a daughter, Luisa Elizabeth.

**MORRIS** - On May 12th, to Dick and Sheila (neé Peel), a boy, Barnaby, a brother for David.

**NEALE** - On May 13th, in High Wycombe, to Sandra (nee Lewis) and Rhys, a son, John, Thomas, a daughter.

**PARKER** - On May 10th, to Sally (nee Pugh) and Troy, a son Montague James Carson, a brother for Anoushka.

**PEA** - On May 10th, to The Portland Hospital, to Nancie and Eddie, a son, Logan Paul and Anna.

**POUDREY** - On May 13th, to Michelle (nee Bencini) and Fred, a daughter, Abigail, Dominique, a son, Christopher.

**ROSEAU** - On May 10th, to Sean (nee Alphonse) and Anthony, a daughter, Natasha Emily.

**STURGES** - On May 11th, at The Portland Hospital, to Joanna (nee Smith) and Martin, a daughter, Amy.

**SWANSON** - On May 10th, at St George's Hospital, London, to Stephen (nee Stimpson) and Emma, a second son, Rossi.

**THOMAS** - On May 11th, at The Portland Hospital, to Sue and Kevin, a daughter, Sophie Louise, sister to Georgia Emma.

**WELBY** - On May 13th, to Helen and Peter, a son, George, a daughter, Roger, a brother for Thomas, Henry and Cecilia.

## MARRIAGES

**CARREMAN-GRACE** - On May 12th 1990, at Grays, Richard Carreman to Pauline Grace.

**PATRICK-MCGARRY** - Patrick McGarry and Neil Wilbrough were married in Vienna, on May 10th 1990, determined to continue for years to come.

## DEATHS

**BARKER** - On May 13th, at Athelstone School, Petersfield, Hampshire, to Christopher and E.R. Dawson, OBE, RN (retired), mother of Karl and Rosalie, Beloved father of Veronica, Valerie and Keith and his eight children, and a much loved grandfather. Funeral Service at Chichester Crematorium, Chichester, May 17th 1990.

**BOLIN** - On May 12th, at 1.30 am on Friday May 10th, at Chichester, West Sussex, to John and Patricia, and Nicholas, a daughter, Emily Carl.

**ELIAS** - On May 8th, at St George's Hospital, London, to David, a son, Luke, John Brook, a brother for William.

**FRITH** - On May 21st, to Diana (nee Lovell) and Donald, a son, Alexander, for Nicholas, Naomie and Alice.

**GEORGINOU** - On May 9th, at The Portland Hospital, to Kay and George, a son, Christopher, a brother for Steven.

**HOEY** - On May 11th, to Kay (nee Fallon) and Laurence, a son, Christopher.

**JACMON-HOOD** - See Udgawa.

**LAMBERT** - On May 11th, in Chelmsford (Suffolk) (nee Pym) and William, a son, Christopher.

**MEPSTEAD** - On May 11th, at The Portland Hospital, to Janet (nee Kudo) and Stephen, a son, Alexander, for Nicholas, Naomie and Alice.

**MAGAMAHON** - On May 10th, at The Portland Hospital, to Maria (nee Falco) and Donald, a daughter, Luisa Elizabeth.

**MORRIS** - On May 12th, to Dick and Sheila (neé Peel), a boy, Barnaby, a brother for David.

**NEALE** - On May 13th, to Sandra (nee Lewis) and Rhys, a son, John, Thomas, a daughter.

**PARKER** - On May 10th, to Sally (nee Pugh) and Troy, a son Montague James Carson, a brother for Anoushka.

**PEA** - On May 10th, to The Portland Hospital, to Nancie and Eddie, a son, Logan Paul and Anna.

**POUDREY** - On May 13th, to Michelle (nee Bencini) and Fred, a daughter, Abigail, Dominique, a son, Christopher.

**ROSEAU** - On May 10th, to Sean (nee Alphonse) and Anthony, a daughter, Natasha Emily.

**STURGES** - On May 11th, at The Portland Hospital, to Joanna (nee Smith) and Martin, a daughter, Amy.

**SWANSON** - On May 10th, at St George's Hospital, London, to Stephen (nee Stimpson) and Emma, a second son, Rossi.

**THOMAS** - On May 11th, at The Portland Hospital, to Sue and Kevin, a daughter, Sophie Louise, sister to Georgia Emma.

**DAWSON** - On May 12th, at Ninewells Hospital, Dundee, to Helen and Peter, a son, George, a daughter, Roger, a brother for Thomas, Henry and Cecilia.

**LEYSTON** - On May 12th, peacefully at home, George Frederick, aged 82, of Wimborne, Dorset.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

**WATSON** - On May 11th, peacefully, at home, George Frederick, aged 82, of Wimborne.

## ARTS

Glasgow Mayfest: Andrew Gibbon Williams reviews art from southern Africa, and Alasdair Cameron looks at the first week's theatre



Detail from "Man and Wives": a woodcut by the Zimbabwean artist Joseph Muzondo

## Looking back is not a substitute for looking forward

The Glasgow poet Liz Lochhead, whose ubiquitous presence in *Clyde-side* culture seems to make her something of a patron saint of 1990, has described Scotland's national pastime as nostalgia. Judging from the theatre programme in the first week of this year's Mayfest, Glasgow's ever-growing spring festival of popular culture, her analysis seems accurate.

The most eagerly awaited premiere of the festival was Tony Roper's *Paddy's Market*, directed by Michael Boyd at the Tron. In 1987, Roper gave Mayfest *The Steame*, which became the most successful Scottish play of the decade.

Roper's new play is set in Glasgow's second-hand clothes market. Like *The Steame*, it is a warm and nostalgic tribute to a threatened community. It boasts some of the best actors in Scotland, with Russell Hunter outstanding as a cantankerous stall-holder, who paints black Wellingtons green and then cons American tourists into buying them. There is also the unbeatable double-act of Dorothy Paul and Jan Wilson, who hold their own even against an array of dogs and children.

But there are problems. *Paddy's Market* is written as a picaresque browse and was promised as a promenade production. This would have made sense, as the play seems too fragmented when viewed as a conventional theatre

piece. Characters seldom seem to connect and there is no sense of a living and breathing community, merely isolated, often touching, stories. There is also a bit of self-indulgence in the character of a gay prop-buyer working on a production of *Tarzan* to be set in Mothercare. That seems too much of a theatrical in-joke. However, the play was given roars of approval by the first-nighters. Glasgow audiences like their nostalgia straight.

Reminiscence and nostalgia were also at the centre of two other Mayfest drama offerings. 7.84's *Govan Stories* at The Arches was a delight. Director Roanna Benn had worked with writers in Govan to produce a series of playlets about their lives in, and their experiences of, what was once a thriving community, but is now, because of urban clearance and industrial decline, only a shadow (albeit a lively shadow) of its former self. The past, therefore, loomed large, but was examined with clear eyes by the 10 writers who contributed to the project.

*Govan Stories* was performed by a young cast of five. When youth and subject matter coincided, as in John Kazek's chilling monologue (a warning to would-be dabblers in drugs), and Mandy Matthews' letters to her penfriend, the results were exceptional. Only occasionally was the cast's youth against them. In spite of excellent acting, one longed for an actor of the correct age to play Martha Feeney's wonderfully written

character studies of a divorced wife and a pensioner who had not noticed life slip by.

The advantage of using an actor of the right age and experience in reminiscence-based theatre is demonstrated by Irene Sunters' generous performance as Dolly in *A Man At Yir Back*, by Gordon Burnside, brought to Mayfest at

the New Athenaeum Theatre, Royal Scottish Academy, in a Robert Robertson production by the Dundee Rep. Sunters plays a breezy Dundee pensioner who can run rings around the young social worker sent to help her. She rambles on about her family and her past and shows us the capable working-class matriarch who likes

to lead from the front while all the time having a man at her back. None of Scotland's mythical figures, like the working-class matriarch, has the resonance of Robert the Bruce, the champion of Scottish freedom. In 1952, R.S. Silver wrote: "The Bruce in a mixture of powerful Scots dialect and English, but his rather Sha-

ALAN WYLIE

vian mixture of history and debate has never been performed. In "Off The Wall", an intriguing mini-festival of cultural contrasts between Scotland and Germany, organized by Tom McGrath at the Lyceum Theatre in Edinburgh, *The Bruce* was given a long-overdue rehearsed reading.

The irony is that Ron Bain's direction, both martial and moving, was so good that it has obviated the need for a full production. *The Bruce* is an ideal radio piece, but there seems little reason to put it on stage.

Silver, alas, is unable to make Scotland's wars of independence as theatrically interesting as Sean O'Casey makes Ireland's. Scottish theatre has, all through this century, been over-shadowed by the Irish; even in Den Barnes' rather pedestrian touring Abbey production of *The Shadow of a Gunman* at the King's, it is easy to see why. There is not a single ounce of sentimentality in O'Casey's steely-eyed account of national travail. Even if only Johnny Murphy as Seamus Shields offers a performance which is more than ordinary, the lessons for Scottish playwrights are there. Looking back in misty-eyed nostalgia may fill theatres, but it is a dead end for national drama.

Alasdair Cameron

• Mayfest continues in Glasgow until May 26, although individual productions may end sooner. The Ticket Centre, Candleriggs (041 227 5511) has information and tickets.



Double-act: Dorothy Paul (left) and Jan Wilson in *Paddy's Market* at the Tron Theatre, Glasgow

## All the right noises about African art

Engulfed by the avalanche brought on by Glasgow's City of Culture status, the city's annual arts festival, Mayfest, has had to work hard to make its own cultural peak visible. It succeeds in the visual arts by making a vehemently non-European statement with its main show.

Art From The Frontline: Contemporary art from southern Africa (Glasgow Art Gallery until May 26) is, as its title implies, a politically-inspired exhibition which brings together an array of paintings, prints and sculpture from the six states — Angola, Botswana, Zambia, Zimbabwe, Mozambique and Tanzania — which border or are near to South Africa. In fact, it is only the flagship event of what amounts to a miniature south-African festival. There is poetry, music, theatre and cinema; but nothing from South Africa itself.

This African show is the most important of several contemporary exhibitions currently running in the Art Gallery. All are blighted by the most chaotic museum atmosphere I have ever experienced. Some gallery-goers still believe in the value of contemplating works of art, an activity for which a certain degree of quietude is essential. The powers that be obviously have no truck with this fogeyish philosophy. The gallery has become a bear garden in which all kinds of "entertainment" have been contrived to distract and disorientate.

From the frontline herself, the 80-year-old Kidude Banaka, a Tzaraabe singer from Tanzania (doubtless enjoyable in a different setting) was belting out Muslim-influenced Swahili songs. Elsewhere, sewing machines stitched away at Trade Union Banners and "how-to-do-it" sculpture demonstration was in progress.

Fortunately, the art is interesting enough to withstand these adverse conditions. Real appreciation is hampered by ignorance of its roots and context; here the catalogue is a help. Quoting from a United Nations report on the "destabilization" of southern Africa, it outlines the antagonism between the Pretoria regime and its neighbours, and reminds us that the indigenous, functional arts of the region had always been debased in the long colonial period. Given all this, it is astonishing that any contemporary artistic tradition has evolved; that it has done so in such a confident and, surprisingly, satirical way is miraculous.

To sympathize properly with the modes of expression arrived at by modern African artists most viewers need to discard two prejudices. The first is against "tourist art" (or, as the catalogue would have it, "airport art") — the kind of traditional carved knick-knack which weighs down hand luggage. The second is against art created about African subjects in Western modernist style. There is plenty of such stuff here and it is all too easy to despise.

The best-known contemporary African art is Zimbabwean stone sculpture. This grew out of the initiative of a progressive, white anti-racist director of Rhodesia's National Gallery in the late Fifties. In carved serpentine, a sculptor like Nicholas Mukonberawana combines three clutching figures foetus-like — their mask-like faces pressed close into one volumetric mass. Called "Reconciliation", it is the kind of work which fetches a high price in the West. But it is not really representative of the "frontline" aesthetic.

Nearer the nut is a painting by the Zambian artist Stephen Kappata, called "Colonialist Yoke". This ex-civil servant self-taught, like so many of the artists here, uses a colourful primitivism to illustrate the black man's burden: the short-back-and-sides white master with book and dog relaxes in the hammock which bears down on his servants' shoulders while madam, on horseback, trots along the horizon.

In art from countries with very different colonial histories, every shade of sophistication, every degree of absorption of Western influence, every kind of response to violent military oppression and poverty can be detected. What comes across clearly, however, is that if stability were to come to this part of Africa, then African artists could easily reinvigorate decadent European traditions.

Andrew Gibbon Williams

A traitor here, but hero there

TELEVISION  
Jasper Rees

WHAT with the liberating properties of *glasnost*, this week's television schedules, like any other week's in the prevailing climate, contain more than their fair share of what one might call blocularies. To spot them, simply look out for the word "comrade" in the programme subtitle.

To mark the second anniversary of the death of "Comrade Philby", *Cutting Edge* (Channel 4) took its cameras on the well-trodden path to Moscow to find out what they think of Britain's most famous comrade over there. Of course we know what we think of the Third Man over here; last night Robert Cecil summed it up when he described him as "a born deceiver".

Philby's other employer, the KGB, would heartily agree with him: that in itself is no sign that the diplomatic temperature has risen since the Cold War, but the fact that MI5's erstwhile enemies gladly opened up their archives for this co-produced Anglo-Soviet portrait of their man certainly is.

Still, some things remain inviolable, and the identity of the Fifth Man one of them. A former KGB associate gamely admitted that he was an acquaintance, but beyond that he would not play ball. Whether this was a co-production or not, the remark could have been disinformation, as it is not even certain that whoever it is actually exists (or existed). Either way, it gave one something to think about as the straightforwardly lavish encomiums from Philby's old KGB cronies piled up.

A cad and a bounder to the country he betrayed, he arrived in the country he adopted possessed of what one awed colleague called "a bouquet of amazing qualities". As the list of these unravelled, they called into doubt the sanguined speculation of one CIA veteran: "If Mr Philby had been put through [the lie detector] in the Forties," he hypothesized, "I think he would have been discovered."

He was not, and he got his apartment, his wife, his medals, his adoring KGB chums, his funeral and his biopic. Everything a spy could want.

The novelty in this week's *Panorama* (BBC 1), making its umpteenth trip behind the line where there used to be an Iron Curtain, was that its destination was Bulgaria. This small country has been conspicuously absent from the biopic scene, but "The Crimes of the Comrades", an incisive report on the problem of bringing former communist leaders and their henchmen to trial, filled the hole thoroughly.

Gavin Hewitt's investigations revealed that, confronted with accusations, the old guard from Todor Zhivkov downwards are issuing elaborate denials. Among those vainly seeking justice are the widow of the Bulgarian exile Georgi Markov, who was famously brolleyed-down on Waterloo Bridge. Even the new reforming communists, it seems, are reluctant to admit that the proof is in the pellet.

## Rocker gives a blues lesson

ALTHOUGH a labour of love, Gary Moore's current blues project is also shrewdly conceived. His audience, mainly early 20s and male, are primarily heavy-rock fans. Their metal brooches and stencilled denim indicate that they now have heroes nearer their own age, such as Helloween and Megadeth. Rather than compete with them, Moore offers his followers a lesson in blues history.

With the exception of early Led Zeppelin, no white artist has taken up residence in the blues basement vacated in the late Sixties by the likes of Cream and Fleetwood Mac founder Peter Green. A long-time aficionado of Green, Moore has stepped into the breach. Emotionally as well as technically speaking, he played some mean guitar.

With a four-piece brass

"Guitar" Watson. For the latter's song "Too Tired", he was joined by the "ice-picker", Albert Collins.

Although the title track of Moore's current album, *Still Got The Blues*, could almost be Part II of his pop hit "Parisian Walkways", there was plenty of variation in pace. The Willie Dixon standard revived by Cream, "Born Under A Bad Sign", featured a blinding solo, the power of Moore's playing equalled only by his economy of style.

Later, he swapped his Gibson Les Paul guitar for a white Stratocaster, such as Jimi Hendrix used to play, and launched into an untitled song that could have been the blueprint for Zeppelin's "Since I've Been Loving You". One of the encores, "Stop Messing Around", then displayed the same anthem.



Moore: Guitar pyrotechnics like verve as another classic covered by Cream, Robert Johnson's "Crossroads". For most rock fans, hearing Gary Moore's interpretation of the blues is the equivalent of hearing a top soul singer such as Smokey Robinson. In contrast, most heavy metal, a style with which Moore is sometimes associated, is an abused dilution of the real thing.

## AN ART EXHIBITION in aid of THE MENTAL HEALTH FOUNDATION

Thursday 17 May

Pall Mall, London SW1

An exhibition of paintings by  
LADY BALFOUR OF  
INCHRYE (FRSA)

Reception and viewing  
commence 6 pm

TV personality Christopher Biggins  
will be auctioning a selection of  
Lady Balfour's work during the evening

All proceeds to  
The Mental Health Foundation

For details telephone  
Emma Dunford on 071 580 0145

## PICASSO, MATISSE AND OTHER TWENTIETH-CENTURY MODERN MASTERS

THE JACQUES AND NATASHA GELMAN COLLECTION

EXHIBITION ORGANIZED BY THE METROPOLITAN MUSEUM OF ART, NEW YORK  
BROUGHT TO BRITAIN BY GUINNESS PLC



ROYAL ACADEMY OF ARTS  
21 APRIL-15 JULY 1990

BURLINGTON HOUSE, PICCADILLY, LONDON W1. OPEN DAILY 10-6

First she read The Times.  
Then she bought my flat.



Out of a total readership of 1.1 million, no less than 84% of The Times' readers own their own home. And at any one time, 66,000 of them are hoping to move within the next six months — possibly into your home.

So phone 071 - 481 4000 to place your advertisement. You're not likely to find an estate agent's window as big as The Times.

071-481 4000

SELL IT THROUGH  
THE TIMES

150

## ARTS

# In the shadow of the future



Edward Lam, of Zuni Icosahedron, in London's Chinatown

Jim Hiley on an avant-garde, iconoclastic Hong Kong theatre company which is now visiting Britain for the first time

**A**rtistic innovation often flourishes in a climate of political uncertainty. Until recently, the stage in Hong Kong appeared content to recycle mainstream Western drama. If there was a "fringe", it consisted largely of sex shows. But as concern over the colony's future grew, a prolific young company emerged to challenge the best of the European and American avant-garde.

Zuni Icosahedron has plundered a catholic variety of source material, while forging its own style of jagged, elliptical choreography. But beneath much of its work lies an unmistakable dissatisfaction with life under British rule and a restless anxiety about the future.

Since its formation in 1982, Zuni has produced 39 tautly drilled spectacles, including adaptations of *The Decameron* and *One Hundred Years of Solitude*. The company has dealt with everything from the Opium Wars and Mao Tse Tung's Long March, to homosexuality, which is illegal in both Hong Kong and mainland China.

Zuni Icosahedron's style is hardly agitprop: it hovers between drama and dance, with a vocabulary of melancholy slapstick. Few productions contain dialogue, or easily identifiable plots, and characters. The company offers a profusion of allegories and allusions, rather than a single didactic statement.

Its guiding spirits are Danny Yung, an American architect and sometime cartoonist, and Edward Lam, the 30-year-old son of a retired civil servant. In 1980, Yung came from New York to

stage a series of experimental events at the Hong Kong Arts Centre. At that time, Lam was pursuing a prodigious career in television, having begun to write soap-opera scripts while still at secondary school. Yung's arrival inspired a change of direction for him and several colleagues.

"We decided that if we wanted to see something new in Hong Kong, we would have to create it," Lam says. Yung was installed as artistic director, and Zuni set out on its collision course with traditional values.

"People in Hong Kong are trained to be passive," claims Lam. His group seeks to remedy this by the most direct methods. At a performance in 1984, for example, the cast began changing places with the spectators. The safety curtain was brought down and the curtains abated.

Zuni also solicits the involvement of audiences by obliging them to provide their own interpretations. "We try to create ambiguities. Anything that gets too literal, we twist."

Lam rejects the label of "political theatre". But he agrees that, by provoking the public, Zuni is pursuing a political aim in the widest sense.

"Everybody is talking about democracy but they have no experience of it in their everyday lives. Democracy is not just about what happens in 1997, it's about being free to do what you like now. Our aim is to test the mentality of the people."

In London, Zuni will be performing *Deep Structure of Chinese Culture*, which will later visit New York to commemorate the Tiananmen Square massacre.

Lam describes Danny Yung's production as "a poem about what we feel China is like". The setting consists of three screens, which are transparent or opaque depending on the lighting. "Sometimes these screens represent memory, sometimes a means of surveillance."

True to form, the group ran into trouble when they opened *Deep Structure* at Hong Kong's new Cultural Centre last month. In one sequence, a naked actor joins a line of uniformed marchers, in what appears to be an act of protest. Stage nudity has never been permitted in the colony, and the scene was banned. But the Television and Entertainment Licensing Authority was persuaded to relent, in view of the "solemn and serious" context.

Lam says the principal message lies in the fact that, until the closing moments of the performance, the cast are seen only from behind or in profile.

"To look at China is to see someone with his back to us. China is close to Hong Kong, yet in another sense very far away."

Edward Lam believes that *Deep Structure* will give British audiences a timely insight into the dilemmas experienced by his generation. "We are the first people really to benefit from Hong Kong's growing prosperity. I feel that we are, in a way, the first young, energetic, well-informed generation. We might have a great future." After a pause, he adds mildly: "But of course, we might not."

• Zuni Icosahedron at the Bloomsbury Theatre, London W1 (071 387 9639) from tonight until Saturday May 19.

## Boundaries of taste?

Simon Mundy, director of the National Campaign for the Arts, calls for a code of practice to protect Europe's art treasures

**O**n Friday, the Culture Ministers of the European Community meet in Brussels for their biannual summit. For once, there will be more substantial issues to discuss than a few cultural exchanges and the dominance of American soap-operas. Governments now realize that the single market will be good for the movement of Italian clothes and English marmalade, but is liable to make nonsense of attempts to keep works of art in their host countries.

The art market is a trade like any other. In the eyes of those intent on ensuring free movement of goods and services, any attempt by nations to prevent citizens buying and selling is heinous. National laws preventing exports must be deemed unacceptable.

The Treaty of Rome does not, in theory, cover the arts – but it does contain a clause which states that every nation may protect its own culture, although what constitutes national culture is not defined. Only language and folk music? Ancient town centres and stately homes? Or does it apply to the whole panoply of state support for the arts?

If it does not, then we may expect the full rigours of competition legislation to be ranged against all the systems of national subsidies and export legislation. The Department of Trade and Industry may continue to refuse to let "The Three Graces" go to California – but if a German collection had acquired the marble ladies, they would have had to be released for export.

There are other areas where a more unified Europe will require a new approach. By and large, all European art-forms have been informed by a common expressive language. The great movements – Renaissance, Baroque, Romantic and so on – have been distinctly European rather than national.

Now that the political map of Europe is moving closer to the cultural one, the justification for art becomes harder to defend. The historical context of art is, however, still an important consideration. It is reasonable to argue that objects in their original homes should remain there, and that art of European importance should remain within continental boundaries. Laws recognized as valid throughout Europe should protect such items from removal.

If something like this framework does not emerge over the next two years there is likely to be one of two outcomes. Either the structure of protective cultural law upheld by individual nations will fall apart, resulting in the dissolution of the heritage. Or the ideal of free trade and common access, which is at the heart of the vision of a new Europe, will collapse into familiar squabbling. Nationalism is likely to be the greatest danger. By demonstrating their common inspiration while preserving their diversity, the arts can take the lead once again. Little of this will be on the ministerial agenda on Friday. By the time they meet next, at Christmas, it should be.

## Sharpness and shenanigans from updated Sheridan

## THEATRE

Jeremy Kingston

The School for Scandal  
Royal Exchange,  
Manchester

sporting mini-skirts as from silver-wigged contemporaries of Marie Antoinette. Sometimes better, Sneerwell's absence gives Snake the chance to pry into her *espresso* and gives grounds for the later suggestion that she is false.

Are Lloyd's mischievous inventions, then, really going to work after all? They do, they wonderfully do. Grasping the essential fact that malice is always with us and wealthy 50-year-olds will always be marrying girls young enough to be their daughters – "An old dangling batchelor", snaps Kelly Hunter's colleen Lady Teazle, darting a significant

IAN WOOLLAMS

look – Lloyd turns Sheridan's idlers into the fashionable set of 1990, their hearts as arid as the ostentatious luxury of their rooms.

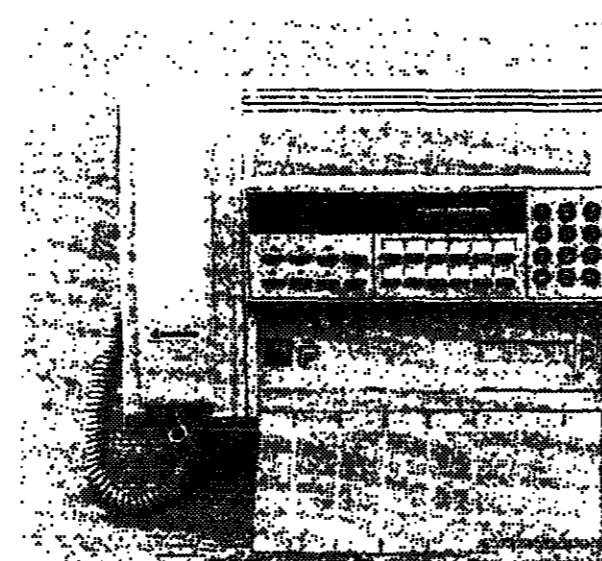
Anne Lambton's sinuous Sneerwell provides a pyramid of pastries for her gossip; fountains of stiff flowers decorate the Teazle mansion; and Lady T makes her first entry borne in on a float that fills the length of the stage with hat boxes. The extravagance reaches its absurd peak in Deborah Norton's Mrs Candour, a *nonne*

rich in peppermint pink, who has modelled her appearance, if not her gurgling cornflake voice, on Barbara Cartland.

Against all this artificiality, the genial shenanigans of Charles Surface and his friends, quaffing Burgundy from their beer mugs, come across as unusually likeable.

Peter Darling makes a good-natured hero, but he needs to give more power to his high notes. Ian Bartholomew's colourless Joseph is the production's only disappointment, though it is less

## Why your business should have a Samsung personal fax. Explained in one line.



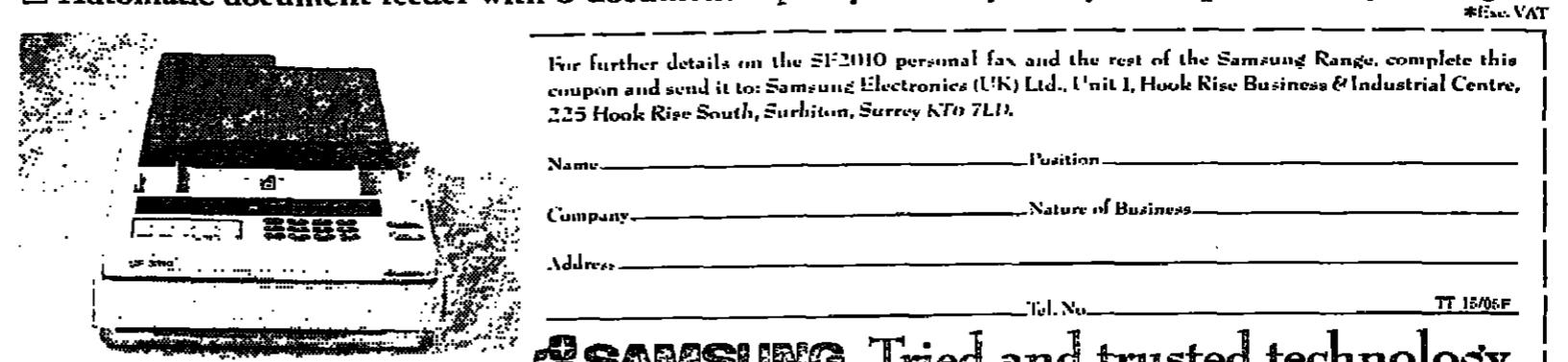
A Samsung personal fax is also a personal copier and telephone, so it plugs straight into your existing phone line. That means there's no connection fee for a dedicated fax line and no second phone line rental charges.

These considerations, plus a price tag of just £599\* makes the Samsung SF2010 the ideal first fax for a cost-conscious small business.

If you're a Director in a large company, you'll see the benefit of a Samsung personal fax too. Namely confidentiality. Your own fax, on your own desk means that unlike the office fax, there's no queue of nosy people to surreptitiously read your confidential documents.

Whether it's used in big business or small business, the Samsung SF2010 does the business. Just check the list of features below. For more details simply fill in the coupon. We'll be happy to explain the benefits of our fax in more than one line.

One touch dialling (12 locations), two touch dialling (99 locations), for either facsimile or phone functions  Automatic redial or delayed autodial  16 levels of grey scale for clarity  Automatic document feeder with 5 document capacity  Daily/Delay/Multiple/Security Polling.



## Oh, what a carry-on

Jeremy Kingston

Private Times  
Library, Manchester

THIS prison drama ends with disaffected men hoping about on a roof, but, while *Strangeways* is indeed only a mile down the road, Kevin Fegan has not written a "living newspaper" play. *Strangeways* is not his subject – it is hard to be certain what is – and besides, the members of the roof-top crew yelling abuse at the governor are his own prison officers.

What the screws object to is the governor's new practice of allowing inmates to indulge in play readings when, as everyone knows, inmates should make themselves available at all times for screws to thump with truncheons.

The drama afternoons – *Macbeth*, the selected text – are certainly run with strange ineptitude. Getting into the feel of a part is all very well, but the callow young teacher (female) appears blind to the hazards of hugging a prisoner, she as Lady MacDuff, he as her little boy. Small wonder the screws start turning.

Fegan seems to want us to see the process of enactment as possessing a renovating virtue: two characters state this to be the case, as something too obvious to be demonstrated, and they give the title role to Grendon, a profoundly withdrawn lifer who has murdered his wife. He comes out with a vengeance, sees his dead wife at the banquet – "Take any shape but that!" and may be meant to encounter his own nature in trying to understand *Macbeth*.

Verdict: the play is a bore.

# Barring babes from the bar

Today's launch, by the Portman Group, of a national proof-of-age scheme is the latest of many attempts to curb under-age drinking. Alan Franks reports

According to John Rae, the director of the Portman Group and former headmaster of Westminster School, there is an underlying ambivalence about the British approach to alcohol and the young. "People think that 18 is the age at which you can start drinking legally. The true legal age is five. Eighteen is merely the age before which you cannot legally buy alcoholic drink."

"What we need to sort out is how we want our young to grow up in a society where alcohol is so available."

"I was in charge of 600 adolescents in the middle of London for 16 years. All my experience tells me that many adolescents will want to kick over the traces at some point, and that they view alcohol as part of their rites of passage. Our job as parents is to ensure that they don't do any damage along the way."

"For most of the boys and girls at Westminster alcohol

was no big thing, whereas some pupils at boarding schools in the depths of the country go crazy when they can get it."

"Admittedly, it was probably happening more than I suspected. I can remember coming across a boy with two

**'The greatest concentration of weekend driving while over the legal limit is in the under-18 age group'**

bottles of champagne. I asked him what he was doing with them and he said his mother had brought them for him to celebrate the end of exams."

The Portman scheme is only the latest of many initiatives to deter under-age drink-

ing which have been set up since the passage of the 1988 Licensing Act.

One of the most ambitious was the Yellow Card scheme, started in 1988 and run by the National Association of Licensed House Managers (NALHM) and *The Morning Advertiser*, the drink trade's leading paper. Several thousand Yellow Cards were issued to applicants who could provide proof of their date of birth and verification of their identity by a suitable referee such as a doctor, teacher or bank manager.

It is hard to judge the success of this and comparable schemes in strictly numerical terms. As John Madden, NALHM's general secretary, explains, it prevented large numbers of under-18s from even attempting to be served. "The licensee could refuse to serve anyone who looked under-age and instead of giving them the drink would hand them an application form from behind the bar,

telling them that if everything was in order they could be back in the pub drinking beer with the lads in a week."

Proof-of-age schemes have also been run by some of the local branches of the Licensed Victuellers' Association, which for years has been pressing — in vain — for the introduction of a national identity scheme.

The police have been pursuing other solutions, notably the Pubwatch scheme, which started in Sheffield two years ago. This entailed the city being divided into seven areas, each with one or two "contract pubs" which acted as the liaison point between other licensees and the police.

If under-age drinkers try to be served, the house notifies its contract pub, which in turn informs the other establishments and the police.

"It is simply a more formalized network than the word-of-mouth that existed before," says Sergeant Steven Lavin of the South Yorkshire police.

It is the effects of drink on young drivers that worry many. And according to a 1986 report from the Transport and Road Research Laboratory, with some justification: "The greatest concentration of weekend driving while over the legal limit is evident in the under-18 age group," the report noted.

Dr Rae says that a national scheme which is able to conduct co-ordinated research into the efficiency of the various measures to deter under-age drinking is overdue.

"We intend to bring other outlets into our scheme, like supermarkets and corner shops — the places which youngsters might well go to for drink if they know they will not be served in the pubs."

"People say to me: 'Come on, aren't you making a bit of a fuss?' And yet there is that the very real problem, potentially a lethal one, of 14 and 15-year-olds going down to the off-licence for a bottle of vodka."

## Old wisdom for young drinkers

TEENAGE drinking is one of the current themes of television soaps. Both Sammy in *Brookside* and Carly in *Home and Away* are trying to beat a drink problem.

Sammy and Carly may be extreme fictional examples, but there is some evidence to suggest that under-age drinking is something parents should worry about. A MORI investigation into "Young People and their Lifestyles", carried out for the Health Education Authority and published in January, showed that 17 per cent of 11-year-old boys and 11 per cent of 11-year-old girls had drunk alcohol in the week before they were polled. Tony Humphries of the charity Alcohol Concern says: "Sixteen-year-old boys are now at greater risk from drunkenness than middle-aged men. The offence rate per head of population for this group is now higher than for men aged between 30 and 60. In 1985, 3,974 people under the age of 18 were convicted of drunkenness, an eight-fold increase over the past 30 years in England and Wales."

In addition, he says, cultural attitudes may affect our views about young people and their drinking. "Elsewhere in Europe, 14-year-olds are allowed to drink wine and beer, but not spirits, in bars. We don't allow teenagers the opportunity to learn how to drink sensibly. We make them wait until their 18th birthday, and then they can go out and get paralytic."

Can parents steer their children along the right path — or will peer pressure override anything done at home? Research carried out 1988 by Dr Jeffrey Wilks of the Capricornia Institute in Queensland, Australia, suggests boys and girls are influenced in different ways. He found adolescent boys were influenced by their perception of their parents' drinking, and by how much their father actually drank, while adolescent girls were influenced by how much they believed their best friends drank (although their father's drinking — not their mother's — also played a part).

Alcohol Concern has produced "Alcohol and Your Children", a parents' guide, which contains a series of tips on teaching children to drink sensibly. These include making an effort to balance the received image of alcohol as stylish and attractive by pointing out that drinking does not make people more adult, successful or sexy.

• The guide points out that banning alcohol altogether can be counter-productive, and that it is better to explain why people should be wary of it. Parents should emphasize its effects on the brain and the nervous system, on health and fitness and the way it can bring about behavioural changes which may lead to fights or accidents.

• At home, they should encourage their children to choose low-alcohol or alcohol-free drinks, and stress that there is nothing wrong with asking for a soft drink or stopping when they have had enough. They should tell their children that it is more adult to make their own decisions about when and how much to drink, rather than be led by others.

• Parents should also spell out the risks of drinking unwisely. As Mr Humphries points out: "The greatest risk to young people is accidental injury or even death when they drink too much too quickly, either by mistake or on purpose. Explain that the more they drink at one time, the higher the risk. More 15 to 19-year-olds die in road accidents than from any other cause, and very often alcohol is involved."

Lee Rodwell

## Torment ends in triumph

All were agreed — the final of *The Times* Tournament of the Mind was an hour of intellectual torture

Under the brooding eye of Rodin's *Thinker*, 13 thinkers sat brooding at green baize tables yesterday as they faced the ultimate torment devised by the setters of this year's Tournament of the Mind.

They were the survivors of 8,500 competitors who have grappled with the contest since it began in March. The winner, Peter Fowler, of Reading, Berkshire, walked off with the trophy, based on Rodin's bronze, under his arm and a cheque for £3,000 in his pocket.

"I'm shell-shocked," said Mr Fowler after being presented with the prize by Sir Terence Beckett, a director of the Central Electricity Generating Board. "About half the questions were so difficult that I just glanced at them and didn't even try them. With 20 questions to answer in an hour, I just concentrated on the ones where I thought I had a chance."

Andrew Johnston, last year's winner, agreed with Mr Fowler. "There was a week's work there to do in an hour."

Mr Fowler, aged 26, is a computer software consultant. He admitted that the stress of the contest had told on family relationships in recent weeks. "I have been given until tomorrow to become a normal person again," he said. "I have no idea yet what I will spend the prize-money on — but I've a feeling that my children have already spent it."

The setter of the questions, Mr Harold Gale, executive director of Mensa, the society for people with high IQs, had excelled himself in this final test.

"This was one of the most difficult contests ever devised by the mind of man," said Sir Terence, who is himself a member of Mensa, as he presented Mr Fowler with his prize and cheques of £250, with certificates, to each of the other individual finalists.

The winning school team, which had beaten more than 1,000 other schools, was Cheadle Hulme school in Cheshire. It won a Hewlett-Packard computer.

"Winning this computer will be a boost to our use of computers," said Bridget Cohen, deputy head of Cheadle Hulme's junior school. "Up to now we have only been able to use them in a very peripheral sense in the junior school. We hope that this one can be used



Winner: Peter Fowler  
*'I just concentrated on the questions where I thought I had a chance'*

to link everything else up."

With a proper order of priorities, Katherine Cleber, Emma Sweet and Robin Aynsley-Smith, all aged 11, and Nicola Watt, aged 10, the team captain, continued to demolish their fruit salads as the prize winners were announced.

Another member of Cheadle Hulme's contingent was Gareth Bushill, aged 16, an A level student who also secured a place in the individual finals. Working steadily away opposite Mr Fowler, he had almost unseated the winner. "What really bothered me was sitting there facing someone who was younger than my own children," Mr Fowler said.

Gareth was the only sixth-former in the junior school team. "The school has a system where sixth-formers volunteer to work as helpers with junior classes," Mrs Cohen said.

Mr John Bryant, deputy editor of *The Times* said the tournament had become an institution, like *The Times*. Readers telephone us weeks in advance to find out the dates so that they can arrange their holidays around the tournament.

George Hill



## Can one company keep watch on the weather and on your unborn child?

Toshiba know how important the health of your unborn child is to you.

Which is why we've developed our Ultra Sound Diagnostic Scanner to offer peace of mind to prospective parents.

And because your own health is just as important, the Ultra Sound Scanner also

diagnoses heart and other internal health problems. But at Toshiba we don't just monitor what's going on inside you; we also keep a watch on what's going on around you.

The Toshiba radar rainfall monitoring system is designed to alert local governments to unexpectedly heavy rainfall, so it gives plenty

of advance warning for extra drainage and emergency pumps.

Toshiba's commitment to our society has produced two very different products, both designed to look after you.

As a world leader in LSI technology, Toshiba have the ability to make both possible.

In Touch with Tomorrow  
**TOSHIBA**

FOR FURTHER INFORMATION: TOSHIBA MEDICAL SYSTEMS LTD., MANOR COURT, MANOR ROYAL, CRAWLEY, WEST SUSSEX RH10 2PY. TEL: 0293 560771.

50 من الأصل

FASHION by Liz Smith

# Stylish revelations take on a global application

The two founders of Workers for Freedom look set to conquer the world with the appliquéd shirts, flounced skirts and braided jackets of their prettiest collection

The anxious expressions that flicker across the faces of Graham Fraser and Richard Nott do not seem to match the carefree, flag-flying name that they gave themselves when they set up business. The Workers for Freedom pair may have discovered, five years after they broke loose from establishment jobs "to do things our own way", that they are not so free after all, but they are happily trapped by their success.

The owners of Workers for Freedom, holder of the British Fashion Council Designer of the Year Award, are already established as international design stars. Their summer 1990 line is one of their prettiest collections to date. And, as the scalloped lace shorts, flounced skirts, appliquéd shirts and braided jackets roll into shops and stores around the world, Messrs Nott and Fraser have found themselves on a roller-coaster towards global expansion.

They recently acquired the distinction of being signed up by Marco Rivetti, head of the Italian manufacturing empire Gruppo Finanziario Tessile (GFT), to market the Workers for Freedom label across the United States and Canada. Mr Rivetti, who anticipated the designer label boom of the Seventies to become godfather to the fortunes of Valentino, Armani, Ungaro and Montana, is a fashion visionary who knows a good thing when he sees it. Becoming part of his designer stable is considered a coup.

The partners, who had little initial confidence that anyone would turn up to their shows or cross the threshold of their shop in Soho, now have the gratifying problem of squeezing their expanding ranges into the tiny shop, still slotted into the lower floors of the narrow Georgian house that is their headquarters.

Meanwhile, there is an order from Paul McCartney for another 10 tiger-print washed silk shirts to wear on his world tour — to add to the 40 or 50 he already has — and another couple of High Street manufacturers to sue. The pirating of Workers' stylish appliquéd shirts has become an industry sport.

The whole point of starting their own business was to do what they enjoy doing. For Mr Nott, aged 42, this means having time to consider the cut of a design before committing it to paper in finely detailed drawings. He was trained at Kingston Polytechnic, Surrey, and worked as an assistant to Valentino in Rome before returning to his alma mater as principal lecturer in fashion design.

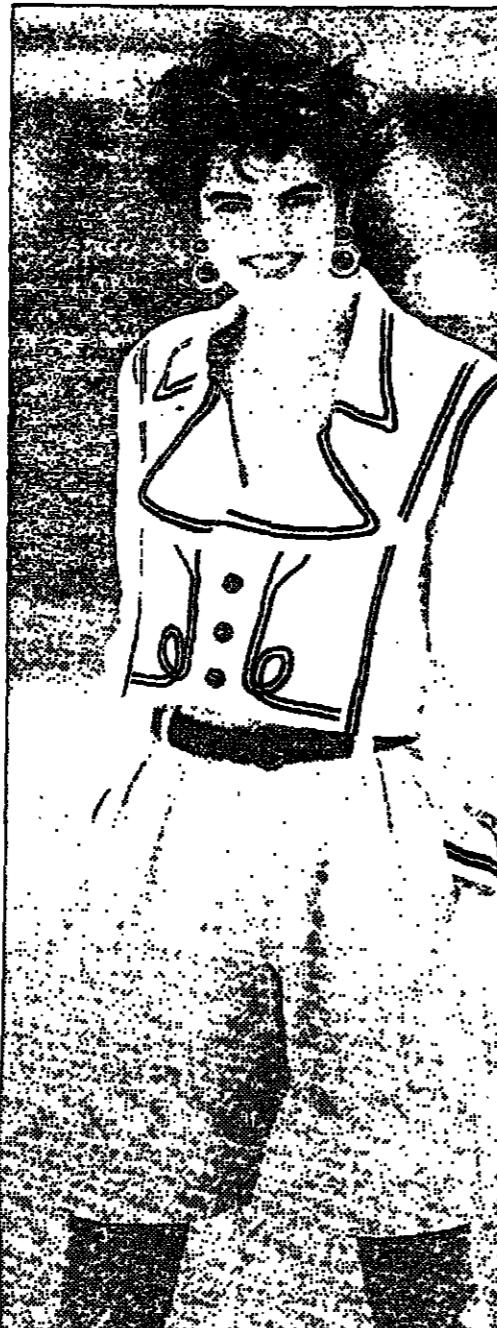
Mr Fraser, aged 41, is far more than just a business partner. He is an accountant by training, with a fear for fashion polished over the years as a buyer, first, at Harrods and Wallis, and then as merchandise director at Liberty. He relishes turning the craftsmanship and detailing of his partner's designs into a commercial line.

A loan of £15,000 from a helpful bank manager in Barnes, south-west London, enabled them to set up the business in 1985. Initially producing men's shirts, with the intricate tie-fastenings that have become their signature, and comfortable, luxurious sweaters, they discovered not only that women wanted to wear their designs but that buyers from Japan and America were lining up to order in bulk. Bergdorf Goodman, the chic New York store where every designer hopes to find a home, honoured them with a shop-in-store. The company's turnover now hovers about £1 million.

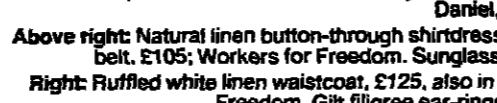
Workers for Freedom's pared-down line is at its purest in the creamy silk or crisp white poplin shirts, with their feathery worked detail. Subtle embroidery smoothes the bib of a shirt. Strips of lace picot edging are lavished as stripes on a skirt. The dragons, giant



Workers of the world united: Richard Nott (left) and Graham Fraser with the Prime Minister at a Government reception



Above left: Cream linen/viscose jacket with black braiding, £365; matching shorts, £145; Workers for Freedom. Stamped leather belt, £23, Mulberry, 11-12 Gees Court, W1. Gilt and speckled drop ear-rings, £38, Neville Daniel, 175 Sloane Street, SW1.



Above right: Natural linen button-through shirt dress, collared and stitched in black, £195; brown leather 'Henry Moore' belt, £105; Workers for Freedom. Sunglasses, £85, Patrick Kelly at Fenwick, 63 New Bond Street, W1.



Right: Ruffled white linen waistcoat, £125, also in black or pink linen; black and white lace shorts, £150; Workers for Freedom. Gilt filigree ear-rings, £75; matching bracelet, £200, Neville Daniel.



Below: natural linen shirt with white lace panels, £150; natural linen trousers, £175; Workers for Freedom. Gilt and black ear-rings, £25; gilt charm bracelet, £65, Neville Daniel. Loafers, £110, Robert Clergerie, 76 Wigmore Street, W1; The Shoe Shop, Brompton Arcade, SW1; The Beauchamp Place Shop, SW3.

Make up by Lisa Butler  
Hair by Ayo for Dobson & Davison  
Photographs by JOHN BISHOP

leaves and tree of life appliquéd on to loose, classic shirts reflect their creators' love of oriental art. "I hope people notice all those little details I spend hours putting in," Mr Nott says.

As well as Paul and Linda McCartney, their customers range from Diana Ross and the members of Duran Duran to the actors Jonathan Pryce and Vanessa Redgrave. Doris Saatchi, former wife of Charles, the founder of Saatchi & Saatchi, orders their loose silk faille robes in multiples. "The most rewarding thing is the enthusiasm of customers," Mr Nott says.

Workers for Freedom is at 6, Lower John Street, W1. Stockists include Liberty, Regent Street, W1; Harrods, SW1; The Beauchamp Place Shop, 55 Beauchamp Place, SW3; Helen Hayes, 70 Church Road, Barnes, SW12; The Clothes Shop, 8 Gravel Lane, Wilmslow, Cheshire; Hoopers, The Promenade, Cheltenham, Gloucestershire; The Strand, 22 Queen Victoria Street, Leeds; The Changing Room, 8 High Street, Tunbridge Wells, Kent; Jenners, Princes Street, Edinburgh; The Warehouse, 61-65 Glassford Street, Glasgow; Camouflage, 20 Dawson Street, Dublin.

Arbeid, a favourite designer of several royals, resigned after a short stint as design consultant to Harnell to expand his own business. He is defiant about opening a shop in the prevailing retailing climate: "The time is ripe for me. I have never been busier," Murray Arbeid at 202 Ebury Street, SW1 opens on May 21.

Meeting enthusiastic customers in Harvey Nichols last week, Ms Karan was lucky to escape to the celebratory dinner afterwards still wearing the clothes she had arrived in. Selling the clothes off her back is a phenomenon which she has got used to on regular public appearances in US stores. On one memorable occasion Barbara Walters, the TV journalist, insisted on buying the jacket she was wearing, leaving Ms Karan to make her exit in a bathrobe.

Arbeid, a favourite designer of several royals, resigned after a short stint as design consultant to Harnell to expand his own business. He is defiant about opening a shop in the prevailing retailing climate: "The time is ripe for me. I have never been busier," Murray Arbeid at 202 Ebury Street, SW1 opens on May 21.

## Sterling Moss

A letter to *The Times* in March last year criticizing British designers for producing "funky fashions... with no selling power" raised many a creative hackle in the business. The letter-writer was Rowland Gee, managing director of Moss Bros, who has now honorably picked up the challenge himself by commissioning Alistair Blair, the newly appointed designer at Balmain ready-to-wear in Paris who already designs for Balfour and Jaeger, to create a collection of menswear for his Suit Company shops. His range of men's suits (£229), blazer (£149), trousers (£59), shirts (from £19.95) and ties (£19.95) are distinctly unfussy, but go a long way towards loosening up the strict Moss Bros line.



Imperfection: Donna Karan

Karan "it is the plus factor in every outfit", and her biggest hit, encouraging women with less than perfect figures, like Ms Karan (a size 14, "great from the waist up"), to be at ease and look as wonderful as she does in her comfortable clothes.

They are the clothes that working women like herself need and which she realized, only six years ago, she would have to design for herself. The instant success of Donna Karan, which she established in 1983 and today has a turnover of \$141 million, is proof that women like her doles out what she wears.

As always, she was travelling light. Her one travel bag held the two capsule outfits that will see her through the rest of her busy trip exploring the European market. Each consists of a cardigan jacket gently draped in its single button at the waist, pull-on trousers, and wrap skirt, with matching flowing scarves that drapes into graceful folds. The lot gets pulled together into various streamlined outfits with the item as her Karan has established as her own, the bodysuit. The "body" is a scoop-necked, shirt-collared or plunge top, held taut with snap fasteners like a leopard. According to Ms

his short or ballerina-length dresses with their swathed cut and dramatically sculpted necklines, which already sell well in Harrods and shops across the US.

Arbeid, a favourite designer of several royals, resigned after a short stint as design consultant to Harnell to expand his own business. He is defiant about opening a shop in the prevailing retailing climate: "The time is ripe for me. I have never been busier," Murray Arbeid at 202 Ebury Street, SW1 opens on May 21.

## Sterling Moss

A letter to *The Times* in March last year criticizing British designers for producing "funky fashions... with no selling power" raised many a creative hackle in the business. The letter-writer was Rowland Gee, managing director of Moss Bros, who has now honorably picked up the challenge himself by commissioning Alistair Blair, the newly appointed designer at Balmain ready-to-wear in Paris who already designs for Balfour and Jaeger, to create a collection of menswear for his Suit Company shops. His range of men's suits (£229), blazer (£149), trousers (£59), shirts (from £19.95) and ties (£19.95) are distinctly unfussy, but go a long way towards loosening up the strict Moss Bros line.

## Gourmet fare

The designer Murray Arbeid knows many a clever cutting technique to flatter his customers' curves, but he may have to polish up a few more. His new shop, which opens next Monday in Pimlico, is opposite that favourite haunt of gourmet Londoners, the Rous brothers' Boucherie Larumaire.

"Women are not prepared to give up the feeling of comfort once they have discovered it," she says, explaining her newest all-in-one that stretches from feet to tanktop. "The 'unitard' will be

**ROLAND KLEIN**  
Special Clothes for Special Occasions  
719 Tyrone Street, Chelsea, London SW3 3LG  
Tel: 071 823 9179

## DISCOVER THE SECRET OF

**units**

INTERCHANGEABLE SEPARATES

Come in and find out how you can create an individual look to suit any occasion



**SHOP LOCATIONS**  
356 Oxford Street, London Tel: 071 491 9070  
Whiteleys of Bayswater, London Tel: 071 229 1123  
The Ashley Centre, Epsom Tel: 0372 743639  
Cornhill Walk, Bury St. Edmunds Tel: 0284 752122  
Charles Darwin Centre, Shrewsbury Tel: 0743 241592  
Clayton Square Shopping Centre, Liverpool Tel: 051 709 8879  
Castlereagh Centre, Belfast Tel: 0232 234970  
The Liberty Two Centre, Romford (opening shortly)

For a free brochure telephone Units Head Office 0628 777060

## THE LAW

# Police power, public impotence

The public should have a right to demand key legal evidence, Antony Whitaker writes

In recent weeks, the media have been faced with an avalanche of court orders to surrender film taken of the poll tax demonstration in central London.

The orders were granted by Judge Neil Denison, QC, under Section 9 of the Police and Criminal Evidence Act 1984. Put shortly, this decrees that if evidence of serious crime exists, it should, subject to safeguards, be made compulsorily available to police.

In applying this provision exclusively, though not arbitrarily, in favour of the police and against the media, the judge decided that legitimate editorial interests in protecting photographers, sources and press freedoms were, in this case, outweighed by the need to help the police identify poll tax rioters. Large quantities of material have already been handed over.

What is significant is not whether the judge was right but the fact that the police have this power at all, where the ordinary citizen does not.

One is left pondering why a private, that is non-police, prosecutor should not be endowed with the same rights of perusal and, even more, why civil litigants should be confined to examining only documents held by their adversaries, and not those held by others. The right to serve a *subpoena duces tecum*,

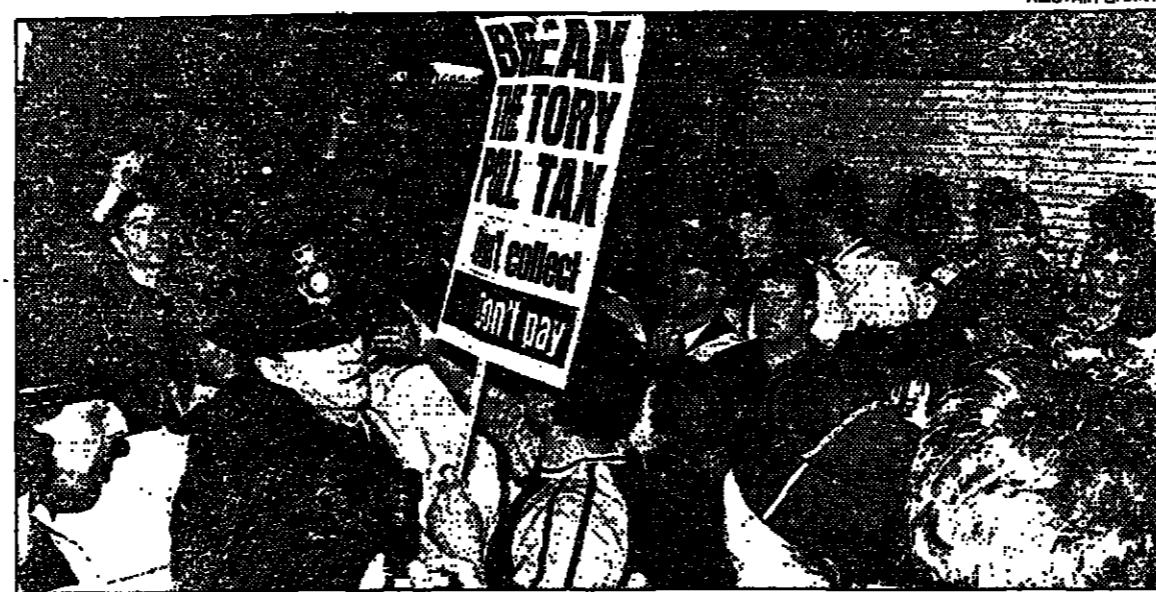
ordering the person holding a document to bring it with him to court, is of minimal value to a litigant unless he can find out in advance what the document says. Only last Friday, the Edinburgh Court of Session refused *The Times* access to unpublished information in a government war-crimes report, which the newspaper believed might be relevant to a libel action it is facing in Scotland.

There is equally no obligation on an individual to give advance notice of what he might say if called to testify: a subpoena does no more than secure his attendance at court, with the risk that his evidence may totally destroy the case of the party who brought him there.

Apart from limited official rights of access — for example, to material held in the companies registry — our adversarial system of litigation obliges the parties to fight on what they alone have, or can persuade others to disclose, with the risk that injustice may result.

What possible justification can there be for thus discriminating against the private individual's right to prepare his case with full access to all relevant material?

Perhaps paradoxically, these thoughts are generated by what amounted to a substantial libel victory for *The Sunday Times* in



ALISTAIR GRANT

Poll tax passions: court orders to surrender film highlight a power which the public and police do not share

Dublin the week before the poll tax riots erupted. Faced with the task of defending itself in a foreign jurisdiction, the newspaper was powerless to compel the production of documents or the attendance of witnesses from outside Ireland.

Worse, it was made clear by the British government that regardless of where the case was fought — north or south of the border, or in London — no help would be given to the newspaper by the provision of police, security or army witnesses if it involved any risk that sensitive information might emerge or that

sources might be compromised. The principal issue dealt with is the extent of the association of the plaintiffs, Thomas and Patrick Murphy, with the IRA.

The jury decided that Thomas was a member and that Patrick

simply supported it.

However, those findings were based on evidence from courageous witnesses, who either came forward voluntarily or under subpoena in Ireland; and no one who might have been able to speak authoritatively as a currently serving member of the British services was made available.

• The author is legal manager of Times Newspapers Ltd.

Is there no room for a provision, subject to appropriate safeguards, giving private litigants the same compulsory access to relevant material — and the right to produce it here or overseas — as the police now have to what they hold?

To fight litigation with one hand tied behind your back, knowing all the while that you would stand a far better chance of winning if those who have the evidence were only there to give it, is wrong, unfair and disheartening.

• The author is legal manager of Times Newspapers Ltd.

## Opening moves for green dominance

THE ARRIVAL in the House of Lords last week of Stanley Clinton Davis (henceforth Lord Clinton Davis of Hackney) brings a new and formidable legal voice on environmental matters to the upper chamber.

With his background as a solicitor and European Commissioner for transport and environment, he has a special perspective on business in the Lords. But the fact that he is also a consultant with S.J. Berwin, a City law firm which has just launched an environmental group, means he will still have day-to-day contact with the practice of law.

"In the environmental field, lawyers now have an urgent responsibility to lead their clients and alert them to the latest developments," he says.

"It is vital that all departments in a law firm should

now take account of environmental issues."

S.J. Berwin is not unique in making a beeline for the environment. All over London, commercial law firms are trying to carve a niche for themselves in the environmental market. Quite how prepared their clients are for this service is another matter. For example, an environmental law seminar organized recently by the City firm Ashurst Morris Crisp in conjunction with the Chicago lawyers Sidley & Austin attracted a high turnout but a confusingly varied audience.

"We had everyone from chief executives down to the office boy," says Laurence Rutman who heads Ashurst's environmental law group.

"What it means, I think, is that clients have not yet decided at what level responsibility for environmental issues

### Law firms see rich pickings as companies start to worry about environmental liabilities

sues should be allocated."

Based on their experience in the United States, Sidley & Austin argues that the environmental implications must now feature in every transaction, whether it be a property deal or a takeover.

The level of ignorance about environmental legal issues among the British business community is consider-

I turned green when I saw his contract  
GED

able, but not surprising, since we had the same situation in America three years ago," a Sidley & Austin spokesman says. "Mind you, he adds, "no one in America is ignorant of it any more."

With Britain's so-called Green Bill around the corner, there is bound to be increasing debate about the environment and the law in this country.

But Lord Clinton Davis wants to unite his twin passions — the environment and Europe — to ensure that the right kind of legislation applies Europe-wide.

In that context, therefore, he is urging his fellow solicitors to ensure that their voice is heard in Brussels.

"Lawyers have a role to play in advising the commission on the development of European law, not least in the environmental field," he says. "We must get away from this idea of the European Commission as being full of faceless bureaucrats. On the contrary, it wants to hear opinions and get advice so that it can develop a sensible corpus of law. The EC wants to know where the problems are so it can investigate them."

Pointing out that clients are even more ignorant than their legal advisers of the way

Brussels works, Lord Clinton Davis clearly intends to take a strong line on influencing his former colleagues in Directorate General No. 11 at the commission.

Meanwhile, the half a dozen top environmental law practices will start slugging it out for dominance of the market-place. At firms like Ashurst there is some wry amusement at the way so many lawyers are now expressing commitment to an area of law which, until recently, held no interest for them. However, as business drops off in some main commercial areas, their task of sorting out the environment could offer rich pickings.

In any case, they know that the mountain of environmental problems in Eastern Europe is likely to provide work for years to come.

Edward Fennell

While 1992 is not the national obsession it was 18 months ago, the European Commission and the member states have made progress towards implementation of the Single European Act. A report from the commission shows that 57 per cent of measures seen to be necessary to achieve the single market have been agreed on either fully or in principle. The slowest progress is on measures where a unanimous vote is needed, particularly taxation. Of the 158 measures agreed, more than 90 have been incorporated in national legislation. The UK, together with Denmark, is top of the league of member states for incorporating measures into national legislation, with 77, ahead of West Germany, 75, and France, 68. Italy is the slowest, with only 36.

Members of the Legal Resources Group, Liverpool's Alsop Wilkinson, Dickson Dees in Newcastle, Osborne Clarke in Bristol, Pinson & Co in Birmingham and Simpson Curtis of Leeds, announce today the opening of a joint office in Brussels. The office will operate in association with a Paris firm, Klein & Associates. Of the three main national law groups, the Norton Rose M5, the Legal Resources Group and Eversheds, only the latter has yet to reveal a plan for Brussels.

British businessmen and lawyers are still dragging themselves out of bed before dawn to attend power breakfasts, while the Americans who first invented the habit, have discovered what the British should have known all along, that tea-time is a far more civilized hour for business talk. The power tea has come to New York, and businessmen and lawyers can be spotted negotiating deals over Earl Grey and scones at some of the best hotels in town. Says one lawyer: "Tea is a place that is serene and conducive to talking business."

Scrivenor

## LEGAL APPOINTMENTS

071-481 4481

071-481 4481

### Company Commercial Partner c. £100,000 +

We are instructed by an established Central London practice with young partners to select and introduce a Solicitor who may already be a partner dealing with Company and Commercial Law or an Assistant Solicitor with at least five years experience.

You will be expected to handle a range of quality commercial and corporate transactions to include new issues, sales and acquisitions of private companies, corporate reorganisations, management buy-outs, establishment of companies and their restructure and joint venture agreements.

Ambition, flair and a creative and constructive approach are the pre-requisites. The remuneration package is negotiable and leading to equity shortly.

Please apply, in strict confidence, to Mack Dinshaw or Stephen Watkins.

**Law Personnel**

Prop. PROFICIENT LIMITED

Staff specialists to the legal profession worldwide. 95 Aldwych, London WC2B 4JE. Tel: 071-242 1281 (answerphone after office hours)

### PRIVATE PRACTICE

#### EMPLOYMENT

to £45,000

Our client a leading firm with a niche company-commercial department seeks a city trained employment solicitor to handle a mix of non-contentious and contentious employment. You will be NQ-2 years PQE.

#### COMPANY/COMMERCIAL

£45,000

Leading international firm needs solicitors 1 to 5 years PQE to deal with the full range of company-commercial work for its international corporate clientele. Excellent opportunity for career progression.

#### INSURANCE CONTENTIOUS OR NON-CONTENTIOUS INSURANCE

£35,000

Major City practice requires two recently qualified solicitors with commercial litigation experience to deal with substantial insurance and reinsurance disputes.

Another position exists for solicitors 1-3 years to handle non-contentious insurance work. Good prospects.

For further information please call or write to Karen McMillan or Alan Pearce or James McGroarty on 071-405 4571

**AMS**

#### INDUSTRY

##### LEGAL ADVISER

W Midlands Up to £35,000 + Car  
Our client seeks a solicitor or barrister with min 3 years PQE to handle a wide range of company commercial and corporate work. Applicants from industry or private practice will be considered and must be prepared to travel both within the UK and abroad at short notice.

##### LEGAL ADVISER

S West £35,000 + Benefits  
Our client seeks a solicitor or barrister with c5 years experience of corporate and commercial work. You will have handled complex joint venture property developments, financings and treasury matters. This is an exceptional opportunity and applicants from private practice or industry are welcomed.

##### LEGAL ADVISERS

Yorkshire £ Competitive  
We are currently instructed by a number of substantial companies in Yorkshire who seek solicitors or barristers with experience in one or more of these fields: company commercial; commercial conveyancing; financial services; commercial litigation; including property matters. Applicants from either private practice or industry are welcome.

### CLYDE & CO SOLICITORS

are looking for an enthusiastic and hard-working

### LIBRARIAN

to run the library side of a busy information department. You will report to the Information Officer and deputise for him, but will have considerable responsibility in all matters relating to the book and periodical stocks - selecting, ordering, cataloguing and circulation. You will also be involved in research projects, enquiry work and the organisation of information sources, both manual and computerised.

Clyde & Co is a predominantly young, 73-partner firm, doing a wide range of commercial and litigious work, with three offices in the UK and three abroad. The pace is fast and the work hard, but the atmosphere is friendly and informal.

We are looking for a trained librarian, preferably with experience of working in a legal environment, either academic or professional. An outgoing personality and a sense of humour are important.

We offer a competitive salary and an attractive package of benefits.

Please write with c.v. to Graham Holliday, Information Officer, Clyde & Co, 51 Eastcheap, London EC3M 4JP  
Telephone: 071 623 1244.

### CHIEF SUB-EDITOR Salary c.£20,000

The Law Society's Gazette, the premier weekly journal for the legal profession wishes to appoint a chief sub-editor. The successful candidate will manage a small team of skilled and professional staff. Tasks will include: sub-editing, proof reading, commissioning specialist articles and liaison with the typesetter.

The chief sub-editor plays a pivotal role in a hardworking and friendly department. We seek an individual with a commitment to excellence in law/magazine publishing, possibly but not necessarily a law graduate who can work successfully in a team. Familiarity with desk top publishing an advantage but not essential.

This post offers a first class opportunity to join a busy, expanding department with a reputable and progressive employer.

We offer an excellent benefits package, including 25 days holiday, interest free season ticket loan, contributory pension scheme, BUPA, subsidised staff restaurant.

Please send a full cv to Jean Thomason, Head of Personnel and Training, The Law Society, 113 Chancery Lane, London WC2A 1PL by 24th May.

The Law Society is an equal opportunities employer.

**THE LAW SOCIETY**

THE LAW SOCIETY

**INNS AND OUTS**

The inquest into the M1 air disaster is in full swing, with well over 30 lawyers in attendance. All the injured and bereaved are represented by Pannone Napier, a Manchester firm, while the defendants have mainly London firms. Boeing, the manufacturer of the plane that crashed, is represented by Herbert Smith by its side. British Midland is represented by Frere Cholmeley, the pilots by Russell Jones & Walker and British Midland's underwriters by Beaumonts, specialists in aviation insurance defence work. As yet, no legal action is in progress in the UK because Pannone is pursuing the possibility of launching a case in the United States. The papers are before a judge in Louisiana, a state chosen for its more favourable views on whether the British plaintiffs have a forum. The case in the US is being overseen by a Texan firm, Speiser Krause Modole, and one of its attorneys, Jim Cruise, is attending the inquest. Pannone and Speiser Krause are acting in the US on a contingency fee basis. The plaintiffs are hoping for a decision soon, as the limitation period on launching an action in the UK is two years where it involves an air crash, which leaves only six months remaining.

A survey of practising divorce lawyers by the Solicitors Family Law Association says a lot about attitudes to legal aid. Of the association's 1,000 members, 26 per cent responded to a questionnaire sent out last November. Seventy per cent of them indicate that family work represents more than half their case load. More than 50 per cent do between 75 and 100 per cent of this work on legal aid, but the number of firms undertaking such a high proportion of legal aid work has dropped in the last year. A third of respondents is considering giving up legal aid work altogether, mainly because of the low levels of legal aid fees. The national average legal aid hourly rate for family work is £55, compared with the £200 declared in the survey for private work undertaken in London.

Most surprising was the level of apparent ignorance on the question of franchising. Asked whether they approved of the Legal Aid Board's proposals, only a quarter of those surveyed replied. This seemed to relate to uncertainty about what the proposals are. Perhaps family lawyers should keep a close eye on Avron Sherr, part-time director of training at City firm Macfarlanes and director of legal practice at the University of Warwick, who has been appointed by the Legal Aid Board to run a two-year research project into its West Midlands franchising pilot scheme involving two firms, Morton Fisher and Cartwright & Lewis, Vernon & Shakespeare.

While 1992 is not the national obsession it was 18 months ago, the European Commission and the member states have made progress towards implementation of the Single European Act. A report from the commission shows that 57 per cent of measures seen to be necessary to achieve the single market have been agreed on either fully or in principle. The slowest progress is on measures where a unanimous vote is needed, particularly taxation. Of the 158 measures agreed, more than 90 have been incorporated in national legislation. The UK, together with Denmark, is top of the league of member states for incorporating measures into national legislation, with 77, ahead of West Germany, 75, and France, 68. Italy is the slowest, with only 36.

Members of the Legal Resources Group, Liverpool's Alsop Wilkinson, Dickson Dees in Newcastle, Osborne Clarke in Bristol, Pinson & Co in Birmingham and Simpson Curtis of Leeds, announce today the opening of a joint office in Brussels. The office will operate in association with a Paris firm, Klein & Associates. Of the three main national law groups, the Norton Rose M5, the Legal Resources Group and Eversheds, only the latter has yet to reveal a plan for Brussels.

British businessmen and lawyers are still dragging themselves out of bed before dawn to attend power breakfasts, while the Americans who first invented the habit, have discovered what the British should have known all along, that tea-time is a far more civilized hour for business talk. The power tea has come to New York, and businessmen and lawyers can be spotted negotiating deals over Earl Grey and scones at some of the best hotels in town. Says one lawyer:

## THE LAW

## The spoils of an uncivil war

The criminal law concept that divorce should be available only to the innocent party has always pervaded thinking about divorce in the United Kingdom. The belief that decisions about the consequences of divorce — financial and those involving children — should be loaded in favour of the supposedly innocent is still widespread.

The view that fault or conduct should be considered always attracts those who do not want divorce, whether they confront it in their personal lives or generally, as a matter of social, religious or ethical concern. Subjectively, individuals ascribe fault to their spouses either to justify what they are doing, or to condemn what their spouses are doing. At that level, fault is simply whatever the individual is not prepared to tolerate.

On that interpretation, however, anyone who wanted a divorce should be entitled to one; a divorce petition is, in the end, no more than a person's formal assertion of faults on the part of their spouse which he or she considers to their marriage.

If, however, we are not willing to accept spouses' subjective assessments of fault, only two options remain in framing divorce law. The first is to deny any right to divorce; the second to identify, objectively, faults which will be deemed as justification.

Ever since divorce became

## LEGAL BRIEF

children's needs first. David Green says fault must play no part

legally available, the second approach is the one Britain has adopted. Before 1857, divorce was permitted only by Act of Parliament. After 1857, husbands were permitted divorce on proof of their wives' adultery, but wives only on proof of adultery and cruelty. Later, these grounds were modified to allow divorce by either spouse on proof of adultery and cruelty or desertion. Incurable insanity later became an additional ground.

Finally, in 1969, we paid lip service to reality: irretrievable breakdown of the relationship was declared to be the sole ground for divorce; but that was restricted in that irretrievable breakdown required supporting evidence of adultery, unreasonable behaviour, two years' desertion, two years' separation with the consent of both spouses, or five years' separation. Long before that, the law had bowed to reality regarding the welfare of the children of a marriage. The children's interests became the paramount concern.

After 1969, other realities supervened. The Treasury may not have wept any tears for the costs payable by spouses of independent means as they battled their way through the proofs prescribed by

The Lord Chancellor last week argued that divorce-law reform must ensure parents put

should play no part in divorce. So far as the law is concerned, marriage should be treated as a civil law relationship subject to civil law principles.

When relationships founder, the law is dealing with the collapse of a partnership, not the consequence of a crime. The same logic should now be allowed to follow through into financial matters.

The right to property and savings should basically be a right to an equal share in the assets the spouses have accumulated during their relationship, but not one to share in what was possessed before the relationship started, accumulated after it ended, or received by personal gift or inheritance from their family.

Maintenance should be seen as compensatory only — whether paid for the support of children or a former spouse. In the latter case, maintenance should be payable only by a spouse with a larger income and only for such period as is reasonable to allow the other spouse to redeem income and career prospects subordinated in the interest of the marriage.

The present uncertain system, based on idiosyncratic individual judgments, does nothing but nourish cost, evasion, dispute and injustice. Logically, we should not accept anything less for divorce if fault is to play a part.

The reality is that, so far as spouses are concerned, fault, with all its criminal connotations, is unrealistic, unworkable, and

● David Green was a member of the Law Society family law committee, 1967-1988, and author of *Financial Provision in Divorce Law* (Law Society, 1987); *Splitting up* (Kogan Page, 1988).



Breaking up: 99 per cent of divorces in the UK are undefended

## Law Report May 15 1990 Court of Appeal

## Franchisee of market has power to limit class of goods sold on stall

Gloucester City Council v Miss Tonia Clark for the Williams and Others

Before Lord Justice Fox, Lord Justice Parker and Lord Justice Ralph Gibson  
[Judgment May 3]

A franchisee of a market had the power to limit the class of goods to be sold from a stall there.

The Court of Appeal held, in a reserved judgment, in dismissing an appeal by the defendants — Gary Patten and Dean Williams, of Rosebery Avenue, Gloucester — from a decision of Judge David Smith, QC, in Gloucester County Court, whereby he ordered that the council take possession of stall 41, Eastgate Market, Gloucester.

Mr Leolin Price, QC and Mr Roger Evans for the defendants; Mr Nicholas Patten, QC and

granted for a specific trade and regulated the class of goods which could be sold from each stall.

The judge found that when the new market buildings opened the council agreed with the traders who formerly traded in the market that the council would allocate licences to ensure that the balance of trade remained the same as it had been previously.

The council decided to grant a licence to the defendants (the sons of Mr Gerry Williams) to occupy stall 41 and on June 30, 1978 a written licence was entered into between the council and the defendants.

By paragraph 3(o) of the licence, the licensees agreed: "to use the facilities for the sale storage and preparation of high class salads and not to make any change in or addition to the class

of goods sold from or stored on or prepared on the facilities without the consent in writing of the council."

The judge found that No 41 had a high class salads but from time to time a large variety of different kinds of greengrocery was sold from the stall.

On February 4, 1985 the council gave the defendants notice to quit. Subsequently, there was a meeting of the council's public services committee attended by Mr Gerry Williams on behalf of his sons.

The defendants were required to produce a list of items they wished to sell from the stall.

In default of agreement on the items, the notice to quit was to stand. The council rejected the defendants' list and submitted a final list which it was prepared to agree.

The judge held that Mr Gerry Williams did agree the list. That was a matter of fact for the judge

and his determination concluded the point.

The question then arose as to nature of the agreement. Was it a franchisee separate from the licence or was it simply an agreed interpretation of the words "high class salads" in paragraph 3(o)? It was clearly the latter.

However, the defendants did not abide by the agreed list and on October 2, 1987 the council served a further notice to quit in respect of breaches of paragraph 3(o).

It was on the basis of that notice that the judge's order for possession had been made.

On that basis his Lordship approached the question whether, as a matter of law of market franchises, the council was entitled to impose terms upon a stallholder as to what goods should be sold from his stall.

The defendants contended that a franchisee had no power

to limit the class of goods to be sold from a stall whether in order to produce a balance of trade within the franchise or to protect the trade of other stallholders or for any other reason unless the power was expressly conferred by the charter or statute creating the franchisee (which was not the case here). Eastgate Market was a franchisee market.

The land upon which Eastgate Market was held was the property of the council. *Prima facie* at common law a landowner, whether in fee or for some more limited interest, was entitled to exact from a person who wished to sell from the stall.

In default of agreement on the items, the notice to quit was to stand. The council rejected the defendants' list and submitted a final list which it was prepared to agree.

The judge held that Mr Gerry Williams did agree the list. That was a matter of fact for the judge

and his determination concluded the point.

The question then arose as to nature of the agreement. Was it a franchisee separate from the licence or was it simply an agreed interpretation of the words "high class salads" in paragraph 3(o)? It was clearly the latter.

However, the defendants did not abide by the agreed list and on October 2, 1987 the council served a further notice to quit in respect of breaches of paragraph 3(o).

It was on the basis of that notice that the judge's order for possession had been made.

On that basis his Lordship approached the question whether, as a matter of law of market franchises, the council was entitled to impose terms upon a stallholder as to what goods should be sold from his stall.

The defendants contended that a franchisee had no power

to limit the class of goods to be sold from a stall whether in order to produce a balance of trade within the franchise or to protect the trade of other stallholders or for any other reason unless the power was expressly conferred by the charter or statute creating the franchisee (which was not the case here). Eastgate Market was a franchisee market.

A franchisee was entitled to charge stallage if he provided stalls but there was no obligation upon him to provide stalls at all. *Attorney General v Colchester Corporation* ([1952] Ch 586, 594).

The result was that at common law the owner of the soil was entitled to stipulate for such terms as he thought fit when granting a licence to occupy a stall. Therefore, on the findings of the judge the agreed list of items was incorporated in the

licence as identifying the high class salads there specified and was binding upon the defendants.

Other matters relied upon as invalidating paragraph 3(o) were the doctrine of restraint of trade, the Race Relations Act 1976 and the Restrictive Trade Practices Act 1976. His Lordship did not think that the defendants had succeeded in demonstrating that the provisions of the licence were in any way invalidated by those matters.

Accordingly, since the defendants were in breach of the provisions of paragraph 3(o), the judge came to the right conclusion and the council was entitled to possession of stall 41.

Lord Justice Parker delivered a concurring judgment and Lord Justice Ralph Gibson agreed.

Solicitors: Lutons, Gloucester.

## Injunction requires reinstatement of landlords' parapet wall

Cadogan and Another v Muscat

Before Lord Justice Nourse and Mr Justice Ward  
[Judgment May 14]

The lowering of a parapet wall carried out by a tenant in flagrant breach of a negative covenant in his lease entitled the landlords to summary judgment against him under Order 14 of the Rules of the Supreme Court. A mandatory injunction requiring the tenant to reinstate the brickwork was properly made.

The Court of Appeal so held dismissing an appeal by the tenant, Mrs Edith Muscat, from the judgment of Mr Michael Wheeler, QC, sitting as a deputy judge of the Chancery Division, in June 1989 in favour of the landlords, Viscount Chelsea and Cadogan Estates Ltd.

Mr Paul de la Piquette for the tenant; Mr Robert Lamb for the landlords.

LORD JUSTICE NOURSE said that the tenant had a 70-year lease of Nos 53 and 55 Cadogan Gardens, Chelsea, London due to expire in 2050. The lease contained a covenant "not at any time during the term to cut or injure in any of the walls timber or roof of the demised premises and not to alter or permit to be altered the plan, layout, height or elevation of the demised premises or the architectural appearance . . .".

In 1989 the tenant, to comply with the repairing covenants, was carrying out extensive refurbishment to the property. During the course of that work the landlords were approached by the tenant regarding the lowering of the parapet wall on

the front of the building so as to let more light into a top floor flat occupied by the tenant's daughter.

The correspondence that took place between the parties made it clear that the landlords would not agree to any proposal to reduce the height of the wall; it being considered that *to do so* would detract rather than enhance the facade of the property.

The tenant, while admitting that the repair work was in place, lowered the parapet wall by some nine inches. Clearly that was one absolutely prohibited by the lease and by the landlords in correspondence regarding the matter. But the tenant declined to reinstate the wall even though that work could have been done while the scaffolding was still there.

Thus the landlords issued their writ claiming a mandatory injunction for reinstatement, applying for final judgment under Order 14.

Granting an injunction the judge said: "The terms of the lease do not agree to any proposal to reduce the height of the wall; it being considered that *to do so* would detract rather than enhance the facade of the property and was not to alter or permit to be altered the plan, layout, height or elevation of the demised premises or the architectural appearance . . .".

"It is perfectly true in one sense that this was a very minor alteration. Nevertheless, it was an alteration which was made behind the backs of the estate and after, in my view, the clearest possible warning that the estate would not permit the operation. That being so, it seems to me that I should make the order sought."

For the tenant, it was accepted that the judge's decision was one

of discretion and that to succeed it had to be shown that the judge had erred in principle or had exercised his discretion in a manner that was plainly wrong.

To do that two authorities were cited: *Shepherd Homes Ltd v Sandham* ([1971] 1 Ch 340) and *Sharp v Harrison* ([1922] Ch 502). But in both those cases the plaintiffs were complaining of an act done by a defendant on his own land.

Mr de la Piquette was unable to cite any case where the court had refused to grant a mandatory injunction against a tenant who had interfered with the structure of the demised property.

The fact that the tenant had breached a covenant in her lease regarding the structure of the premises was a very important consideration. The removal of one brick would not have led the court to grant an injunction.

But here three courses had been taken down for a length of some 12 feet. That was a considerable interference with the property and was not de minimis.

The judge was entitled to take the view that he had. It was a case of flagrant breach of covenant in a manner carried out subversively and in the face of a clear indication from the landlords that they were not prepared to consent. The judge was entitled to conclude that the tenant would not be able to make out any substantial defence at trial.

Mr Justice Ward gave a concurring judgment.

Solicitors: Muscat, Walker Hayman; Brice Droguever & Co.

## Sentence on unadmitted offences

Regina v Burfoot  
Before Lord Justice Mustill, Mr Justice Waterhouse and Mr Justice Swinton Thomas  
[Judgment May 14]

A sentencing court had no jurisdiction to take into consideration offences not admitted by a defendant and which the defendant had not asked the court to take into consideration.

The Court of Appeal so stated when allowing an appeal by Adrian Keith Burfoot, reducing to four years a total sentence of six years imprisonment imposed by Mr Justice Hugh Williams, QC, on March 9, 1989 at Cardiff Crown Court on conviction on an indictment containing 25 counts of offences of, *inter alia*, burglary and theft.

Mr David W. Morgan, signed by the Registrar of Criminal Appeals, for the appellant.

MR JUSTICE WATERHOUSE said that when he first appeared at the crown court the defendant had pleaded guilty to an indictment containing six counts of burglaries of dwelling houses.

However, although apparently at one time he had signed a schedule compiled by the police during their investigations relating to some 600 further offences, he was then not prepared to admit committing any of those additional offences.

After discussion, the indict-

ment was redrafted to include 19 charges relating to matters the defendant had allegedly admitted. He pleaded not guilty but was convicted.

After discussion as to whether the balance of the offences referred to in the indictment should be taken into consideration on the basis that the trial had been of specimen counts and the conviction by the jury carried with it the implication that the defendant had con-

ceded to all the offences in the schedule, the judge sentenced the defendant on that basis.

Their Lordships were persuaded that the court had no jurisdiction to take into consideration offences not admitted by the defendant and which he had not asked to be taken into consideration.

Considering only the indictment before the court at trial, the total sentence should be reduced to four years.

Arbitrators cannot find on every point

Granges Aluminium AB v The Cleveland Bridge and Engineering Co Ltd  
LORD JUSTICE LLOYD said that the reasons the arbitrator had given as to the true construction of the warranty were amply sufficient for an awarding by consent.

No other question of law

## Company and Trust Administrator Isle of Man

Our clients are a major legal practice on the Isle of Man, offering a range of financial and corporate advice to its national and international clients.

Because of their location, the administration of companies and trusts through the medium of their in-house trust company is an important aspect of their business and they require an experienced Administrator to manage and develop this function for them, as well as to create and implement new systems.

The ideal applicant will be at least 30 years of age, have a minimum of 5 years' appropriate experience and be either a Lawyer or Chartered Secretary. The salary will be commensurate with age and experience and relocation assistance will be provided.

In the first instance please contact:

Alistair Allan, Masters,  
39-41 Gray's Inn Road  
London WC1X 8PP.  
Telephone: (071) 405 2611.

**M·A·S·T·E·R·S**  
HUMAN RESOURCE CONSULTANTS

## INTELLECTUAL PROPERTY Central London £80,000+

Partner designate for medium large firm. Very experienced in corporate and licensing of copyrights, Patents, Trade Marks and a solid background in all other intellectual property law required. Own client following would be preferred.

## COMMERCIAL LITIGATION City £40,000+

Experienced ambitious solicitors are sought to join progressive city practice offering really excellent career progression and high quality work. Working as part of a large and very busy team you will handle a wide variety of litigation including Shipping, Commodities,

## PREVIEW

TODAY Theatre &amp; Cabaret

● WEDNESDAY Rock, Jazz &amp; World Music ● THURSDAY Opera, Dance &amp; Books ● FRIDAY Classical Music ● MONDAY Art &amp; Auctions

The Times Preview features a different area of the arts each day Monday to Friday, as indicated above, including events in the following seven days. Plus the Cinema Guide

## THEATRE

Jeremy Kingston

## NEW IN LONDON

BIRTHS: David Connell's companion piece to his highly amusing *Obfuscius*, set in another wing of the same hospital, same day, with the same Royal Personage touring the wards. King's Head, 115 Upper Street, N1. (01-722 1916). Underground: Highbury and Islington Mon-Sat, 1.15pm. £3. Until June 2.

HENRY IV: In London at last, and still with Richard Hornsby heading the cast as Pirandello's not so mad emperor. Wyndham's, Charing Cross Road, WC2. (01-767 1119). Underground: Leicester Square. Previews from tomorrow. 8pm. Opens May 23. 7pm Mon-Sat; 8pm Wed, 3pm, Sat, 4pm. £5-18.

LITTLE LOVE: New Stephen Fagan comedy: market forces of supply and demand applied to newborn babies in an emporium of maternity clinic. Lyric, King Street, W6 (081-741 2311). Underground: Hammersmith. Previews from Thurs, 7.45pm. Opens May 22. 7pm. Then Mon-Sat, 7.45pm; mat Wed, 2.30pm and Sat, 4pm. £7.50-£12. Until July 7.

PAPER AND STONE: Energizing, foot-tapping celebration of three black girls coping with Nineties Britain: a Black Theatre Co-operative production. Lyric Studio, King Street, W6 (081-741 2311). Underground: Hammersmith. Open tonight, 7.45pm. Mon-Sat, 8pm; Mat, 4.30pm, £6. Until June 2.

PILGRIM'S PROGRESS: Empty Space, masters at splicing life from knotty texts, tackle the world's No 2 best-seller.

Bartemus Arts Centre, Old Town Hall, Lavender Hill, SW11 (071-222 2222). BR: Clapham Junction. Preview: tomorrow. 8pm. Opens Tues. 8pm. Then Wed-Sun, 8pm. £5. Until May 27.

SIR COURTELY NICE: Restoration playwright John Cowie's one claim to fame, unperformed for centuries but said to be hilarious, revived by the boldly named Magnificent Theatre Company.

Young Vic Studio, 66 The Cut, SE1 (071-928 6363). Underground: Waterloo. Previews from Thurs, 7.30pm. Opens May 22, 7pm. Then Mon-Sat, 7.30pm; mat Sat, 3pm. Mon and Sat mat £4, other perf £7.50. Until June 9.

WILD JUSTICE: Karl Howman, Anita Dobson as parents of a child killed during a bank robbery in new Dame Keefe thriller.

Theatre Royal, Gerry Raffles Square, E1 (061-743 5310). Underground: Stratford. Previews from Fri, 8pm. Opens May 24, 7.30pm. Then Mon-Sat, 8pm. Previews 24, from May 24. £3-£10. Until June 20.

## CONTINUING

ALICE'S DINER: Odd-sounding mask, mime and improvisation extravaganza set in a restaurant where every dish is on, no matter how fantastical. Bush, Shepherds Bush Green, W12 (081-743 3388). Underground: Shepherds Bush. Tues-Sun, 8pm. £6. Extended to May 20.

BERENICE: Lindsay Duncan as Recine's love-stricken heroine, nicely translated (Neil Bartlett) but a chilly evening.

National Theatre (Coates), South Bank, SE1 (071-928 2252).

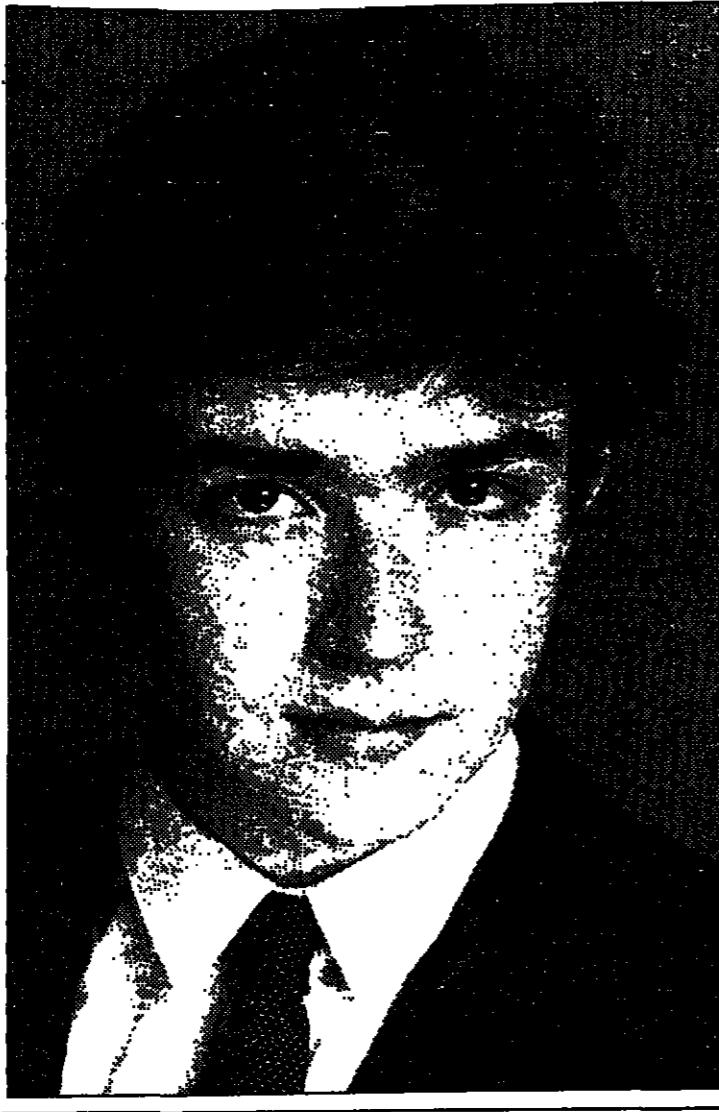
Underground: Waterloo, Fri, Sat, 7.30pm, mat Sat, 2.30pm. £8.50. In repertory.

SUNDAY IN THE PARK WITH GEORGE: Spirit-lifting Sondheim musical inspired by Seurat's painting of 8 million dots, the music may be prickly on first hearing but the staging is marvelous. Great performances by Philip Quast and Mena Fredman. National Theatre (Lyttelton), South Bank, SE1 (071-928 2252).

Underground: Waterloo, Mon-Sat, 7.30pm, mat Sat, 2.30pm. £8.50. In repertory.

LONG RUNNERS: Aspects of Love: Prince of Wales Theatre (071-933 5972). Cast: New London Theatre (071-405 0072). Lee Liasons Dangerous: Ambassador Theatre (071-836 6111). Me and My Girl: Adelphi Theatre (071-240 7913). Les Miserables: Palace Theatre (071-344 0903). Miss Saigon: Theatre Royal, Drury Lane (071-378 4444). Mousetrap: St. Martin's Theatre (071-218).

## Switched-on Southampton



For its last play in the current season at the Nuffield Theatre, Southampton, has pulled off something of a coup, the British premiere of Woody Allen's bitter-sweet comedy *The Floating Light Bulb*. Patrick Sandford directs Sylvia Syms as an ambitious mother, Lee Montague as an ambitious showbiz agent, and Gian Sammarco (pictured left), known for his appearances as Adrian Mole on television and stage, as a boy with talent. The subject is magic, though not the sort Allen used in *Play It Again Sam*, where the spirit of Humphrey Bogart gave the hero advice on how to treat a dame. The young lad in the new play is practising magic of the sleight-of-hand variety, and since the success of his tricks is vital to the play, the theatre has engaged the renowned Ali Bongo (not a Woody Allen name) to make sure all goes well. Says Bongo of his charge "he has been a very willing, keen pupil". Allen is choosy about which theatres put on his work and, when the Nuffield approached him, he asked *Mia Farrow* to sound out Michael Frayn about the matter. A play of Frayn's was attractively produced at the Nuffield last year, and when his favourable report was relayed to Allen the theatre received the go-ahead. *The Floating Light Bulb*, Nuffield Theatre, University Road, Southampton. (0703 671771). Previews from Thursday, 7.30pm, mat Thurs, 2pm. Eves £6-£18.50. Thurs mats reduced prices. In repertory. Eves £6-£7.95. Jeremy Kingston

by Chris Seria and includes guests Helen Atkinson-Wood, Pam Ayres, Bill Tidy and Leslie Thomas.

SOHO STREET THEATRE  
LUNCHTIME CABARET: Carnaby Street, W1 (071-287 0907). Underground: Oxford Circus. Thurs: 1-2pm. Free. Juggling and balancing from Tony Anthony — plus the musical duo Some Like It Hot, with impish and energetic Ethne Harrigan whipping up a storm with her vibrant fiddle playing.

COMEDY STORE: 28a Leicester Square, WC2 (0426 9143). Underground: Leicester Square. Fri (two shows) doors 7pm, show 8pm. doors 11pm, show midnight, £7. Emo Philips returns to London, only weeks after his sell-out West End theatre show, and makes a guest appearance at the Store. Also on the bill are Jeff Green, Lee Evans and Mark Hurst. A splendid night, but expect a queue.

DOWNTOWN AT THE KING'S HEAD: 2 Crouch Hill, N8 (081-340 1028). Underground: Finsbury Park. Then W7 bus. Sat: doors 8pm, show 8.30pm, £3.50 (2.50) plus 50p membership. Not quite a quadruplet evening, but for fans of the double act there are two sets of "twins", each doing an extended set the comedy and music pairing of The Calypso Twins and the quick-off-the-mouth, highly original Crisis Twins.

EAST DULWICH CABARET: East Dulwich Tavern, 1 Lordship Lane, SE22 (01-299 4138). BR: East Dulwich. Sat: doors 8.30pm, show 9pm, £4 (£3). A special treat in the form of an all-too-rare appearance by Sweeney and Steen, the finest improv duo in town, with their uncannily mind-reading set — plus Flying Picket Gary Howard, Mark Lamarr and The Uncoordinated Jugglers Association.

BENEFIT FOR PRISONERS  
ABROAD: Red Rose Club, 129 Seven Sisters Road, N7 (071-263 7265). Underground: Finchley Park/Holloway. Sat: doors 8.30pm, £5 (£4) for members; non-members can only buy in advance from Prisoners Abroad — call 071-333 3467. Benefit that brings out an army of the best — in this case Jo Brand, Mark Hust, Ivor Dembinski, James Macpherson, Linda Smith ... and a raffle in which among other joys you can win one of George's roses.

LEEDS: *The Maple Tree Game*. The second theatre within the new Playhouse opens with a political thriller by Pavel Kohout. Dubcek supporter exiled after the Prague Spring: an old professor embroils the secret police in a game of cat and mice.

COURTYARD THEATRE, WEST YORKSHIRE PLAYHOUSE: Quarry Hill (0522 442111). Previews from Fri, 7.45pm. Mon-Sat, 7.30pm, mats 2.30pm and June 2, 3.30pm. £4-£6, from May 22, £5-£10. Until June 23. Jeremy Kingston

Thomelike, Church Street (0372 377601). Mon-Wed, 7.30pm, Thurs-Sat, 8pm, mats Wed, 2.30pm and Sat, 4pm, £5-£10. Until June 2.

LEEDS: *The Maple Tree Game*. The second theatre within the new Playhouse opens with a political thriller by Pavel Kohout. Dubcek supporter exiled after the Prague Spring: an old professor embroils the secret police in a game of cat and mice.

COURTYARD THEATRE, WEST YORKSHIRE PLAYHOUSE: Quarry Hill (0522 442111). Previews from Fri, 7.45pm. Mon-Sat, 7.30pm, mats 2.30pm and June 2, 3.30pm. £4-£6, from May 22, £5-£10. Until June 23. Jeremy Kingston

CABARET  
Carol Sarler

LONDON

BACK TO SQUARE ONE: Paris Studios, Lower Regent Street, SW1 (no phone contact). Undergroun: Piccadilly Circus. Tomorrow: doors 7.15pm, show 7.30pm; no admission for latecomers. Free, subject to availability. A lively-sounding recording of a comedy show for BBC Radio is hosted

OUTSIDE LONDON

BRISTOL: Watershed Media Centre, Canon Road (0272 27644). Sat: 8pm, £4.50. Philip Jupitus — once Porky the Poet and rhyming stalwart of Red Fiddle tours — now turns his hand solo stand-up.

GLASGOW: Renfrew Folly, Clyde Place (041 227 5511). Thurs, 9pm, £5. As part of the celebrated Mayfest season, Steve Frost and Sean Hughes resurrect their remarkable production of *One Man And His Show*, wherein Frost is sublime as the over-enthusiastic TV producer trying to make a star of young Hughes. Lots of unwitting audience participation. It's a masterpiece of comedy and I recommend it highly.

SHEFFIELD: City Hall (The Memorial Hall), Barker Road (072 732525). Sat: doors 7.30pm, show 8pm, £4 (£2.50). Another evening for *One Man And His Show* — see above for comment.

DERBY: Assembly Rooms, Market Place (0322 255800). Thurs, 8pm, £7. (5). As the *Wandin' Star* tour continues — Julian Clary et al. this is one of the few gigs left where there are still a few tickets to be had.

Compiled by Karl Knight

● Items for inclusion should be sent at least 10 days before publication to Preview, The Times, 1 Pennington Street, London E1 9XN

## TELEVISION TOP 10

For the week ending May 12 1990 (excluding soap operas):

BBC 1  
1 Eurovision Song Contest 10.19m  
2 Bangkok Hilton 9.42m  
3 The Bill (Mon-Fri) 9.36m  
4 John Alcock 8.94m  
5 Question of Sport 8.88m  
6 There's Life 8.48m  
7 The Queen's Concert 8.47m  
8 Birth of a Feather 8.27m  
9 9 O'Clock News (Tues 21.05) 8.37m  
10 The Manor Born 7.89m

ITV  
1 Skins & Lucy 10.28m  
2 The Bill (Tues 9.41m)  
3 The Bill (Thurs 9.19m)  
4 Rom Lucas Show 8.92m  
5 Through the Keyhole 8.04m  
6 The Queen's Concert 8.03m  
7 Up The Garden Path 8.03m  
8 Surgical Spree 8.03m  
9 James and Wootton 8.02m  
10 Perfect Scores 8.04m

STV  
1 The Queen's Concert 8.04m

Channel 4  
1 Crystal Maze 8.91m  
2 The Black Hill 8.12m  
3 Roseanne 8.10m  
4 Cheers 8.07m  
5 Videotex 8.06m  
6 The Tube 8.05m  
7 Wonder Years 2.46m  
8 Land of the Giants 2.43m  
9 Gardeners' Calendar (Fri 21.32) 2.33m  
10 Forty Minutes 1.98m

BBC 2  
1 Assault on Precinct 13 6.69m  
2 MAFIA in America 6.18m  
3 MAFIA 2 6.13m  
4 Natural World 2.88m  
5 A Very Practical 2.74m  
6 Top Gear (Tues 2.75m)  
7 The Tube 2.73m  
8 Where the River Bands 2.24m  
9 KYTV 2.07m  
10 Forty Minutes 1.98m

Channel 5  
1 Crystal Maze 8.91m  
2 The Black Hill 8.12m  
3 Roseanne 8.10m  
4 Cheers 8.07m  
5 Videotex 8.06m  
6 The Tube 8.05m  
7 Wonder Years 2.46m  
8 Land of the Giants 2.43m  
9 Gardeners' Calendar (Fri 21.32) 2.33m  
10 Forty Minutes 1.98m

Channel 4  
1 The Queen's Concert 8.04m

CHARLES RAY  
DOMINIC LETTS

THE WOMAN IN BLACK

THE WOM

## TELEVISION &amp; RADIO

COMPILED BY PETER DEAR  
AND MARIT HARGIE  
CRITIC'S CHOICE PETER WAYMARK

## BBC 1

6.00 *Coopax*  
6.30 BBC Breakfast News presented by Nicholas Witchell and Jill Dando 8.55 Regional news and weather  
9.00 News and weather followed by Open Air. Viewers comment on yesterday's television  
9.20 *Gloria Live*, Gloria Huniford and her guests discuss the issues making the headlines.  
10.00 News and weather followed by *Matchpoint* (r)  
10.25 *Today's BBC* presented by Simon Parkin begins with *Playdays* (r) 10.50 *Barney* (r)  
10.55 Five to Eleven. John Craven recalls the British schoolchildren who travelled to the Philippines to see how Third World children live.  
11.00 News and weather followed by Open Air presented by Jayne Irving and Edmund Holmes  
12.00 News and weather followed by *Daytime Live* 12.55 Regional news and weather  
1.00 One O'Clock News with Philip Hayton 1.30 *Neighbours* (Ceefax) 1.50 *Typical Wisdom* a knowledge quiz presented by Angela Rippon 2.15 *Film: Man of the Moment* (1965, b/w) starring Norman Wisdom and Lorna Morris. *Typical Wisdom* mix of slapstick and sentiment as he plays a Foreign Office clerk causing chaos at an international conference. Directed by John Paddy Carstairs. Northern Ireland

## BBC 2

7.10 *Open University: Public Place and Private Space* ends at 7.35 8.00 *News 8.15 Westminster* 9.00 *Daytime* on Two: learning to spell 9.10 Making different types of documentaries 9.40 A-level Economics 10.00 Sciences for five to seven-year-olds 10.15 Different religious beliefs 10.40 Why some farmers in the United States are feeling the pinch 11.00 Living with animals 11.15 A young Edinburgh boy moves to Milton Keynes 11.35 Fighting racism 11.55 How Charleroi in Belgium is trying to re-build its economy 12.15 The work of the interior designer 12.35 Various ways people spend their money 12.55 How stress in the workplace costs Britain an estimated four billion pounds a year 1.20 *The Adventures of Sport* 1.25 *What's Inside?* 1.40 A-level statistics 2.00 News and weather followed by *You and Me* (r) 2.15 *Skin Extra*, an edition of the money-saving series *Bazaar* with sign-language and subtitles added (r) 2.40 *Made by Man: The Art of the bookbinder* (r) 2.55 *Travel Show* Traveller. John Thirlwall visits the Greek Island of Kos (r)  
3.00 News and weather followed by *Westminster Live*. Including Prime Minister's Question Time 3.50 News, regional news and weather 4.00 *Starkey and Hutch*. Busting cops and busters from the 1970s, starring Paul Michael Glaser and David Soul. When Hutch is wounded on a burglary bust, Starkey is assigned a new partner (r)  
4.50 *Notes in the Margin: Natural Movements*. Authorised Rosalind Coward with a penetrating look at the significance of Britain's green revolution in the 1980s (r)

IRELAND: Open House 3.00-3.50 The Rockford Files 3.40 *Cartoon Double Bill*

3.50 *CricketVision*. Paul and Barry try their skills as car mechanics (r) 4.05 *Orion* an estimated adventure of the duck-egg-sized world 4.20 *Simon and the Witch*. The first episode (r) 4.35 *Teenage Mutant Ninja Turtles* 5.00 *Newsround*. News for younger viewers 5.05 *Expo*. New series in which the chirpy Johnny Morris travels the world exploring museums. He starts his tour in Belgium's Tervuren Royal Museum of Central Africa. (Ceefax) 5.35 *Neighbours* (r). *Ceefax* Northern Ireland: *Sportsweek* 5.40-6.00 Inside Ulster 6.00 *60 O'Clock News* with Moira Stuart and Peter Sissons. Weather 6.30 *Regional news* magazines. Northern Ireland: *Neighbours* 7.00 *Style Trial*. *EastEnders* actress Michelle Collins, *Crystal Maze* host Richard O'Brien and Craig Charles attempt to guess the lifestyles led by two thick-skinned mystery guests. (Ceefax) 7.30 *EastEnders*. (Ceefax) 8.00 *To the Manor Born*. Penelope Keith and Peter Bowles as aristocrats peat and present to the cleverly observed *EastEnders* (r). (Ceefax) 8.30 *Black in Blue*. After last week's hour-long scenerunner, *Demond Wilson's* series on black and Asian recruits to the Metropolitan Police settles into a crisp 30-minute format as we follow the chosen seven through Hendon Police 12.45am *Weather*. Northern Ireland 12.15

College and eventually on to the beat. The premise behind the series is that prejudice from within as well from outside ensures that the Met remains overwhelmingly white and therefore unrepresentative of the population it serves. But though a spike in murders concerned with the generation of training than the specific problems of blacks and Asians. All the same, there is an unspoken assumption that if all training is tough, it is even tougher for those with black faces. Meanwhile viewers can start to place their bets on the two out of the seven who will not make it. (Ceefax)

9.00 *Nine O'Clock News* with Michael Buerk. Regional news and weather 9.30 *Regional news* magazines. Northern Ireland: *Neighbours* 10.00 *Style Trial*. *EastEnders* actress Michelle Collins, *Crystal Maze* host Richard O'Brien and Craig Charles attempt to guess the lifestyles led by two thick-skinned mystery guests. (Ceefax) 10.30 *EastEnders*. (Ceefax) 11.10 *Film: Stepstone and Son Ride Again* (1973) starring Wilfrid Brambell, Diana Dors and Harry H. Corbett star in this somewhat crude comedy – hence the reference to the shooting – about the legendary mag-and-men in order to pay off a debt, the mafioso cash in on Albert's life insurance. Directed by Peter Sykes. Northern Ireland 11.05 *Sportsworld*. Includes reviews of *Music Box* and *The Witch's Northern Ireland: A Room With a View* 12.15 *Weather*. Northern Ireland 12.15

5.30 *Gardeners' World*. A report on container gardening and a preview of the National Garden Festival in Gateshead. Presented by Geoff Hamilton, Nigel Colborn, Anne Swithinbank and Diana Kemp (r)

6.00 *Film: Bachelor Knight* (1947, b/w) starring Cary Grant, Myrna Loy and Shirley Temple. Lightweight romantic comedy about a teenage girl who, despairing of the callow youths in her circle, sets her sights on an older man who is courting her sister. Directed by Irving Reis

7.35 *Balko* (b/w). Phil Silvers as the sergeant-mogul meets his match this week when another sharp operator arrives on his patch (r)

8.00 *Open Space: Payment Is Overdue*. New series of the access programme starts with a film made by the Pensions' Rights Campaign which argues that all pensioners should have sufficient income so that retirement does not equal poverty. (Ceefax)

8.30 *Top Gear*. The huge audience that this show draws must say something revealing about the British public. William Woollard reports from the Veteran Car Club's diamond jubilee rally at Stratford-upon-Avon. Tim Needell tries rallying with top driver Penti Arikko, and Chris Golliford tests a new Rover. Metro and Fiat Uno

9.00 *Tygo Road*. Comedy set around the upromising joke that an inner-city community centre has an inept yuppie working for it. This week he invites up invitations to an exhibition. Kevin McNally stars, and makes most of the laughs that are going (Ceefax)

9.30 *Present Imperfect*. • The first in a series on people, each filmed over a period of 12 months, for whom life is a struggle. Stephen Cox, alias *Figg Fox*, is a sheet metalworker and spare time drummer who dreams of becoming the

new Keith Moon. His background is upromising: he has been a drug addict, alcoholic and mental patient. Hoping to put all that behind him he embarks on a marriage to Jackie, which brings his three children together with her five. But he is one of those maddening characters, all charm and no application, who keep threatening to turn over a new leaf only to return to the bad old ways. The job goes, the band breaks up and he is back on the booze. Even the tolerant Jackie is near the end of her patience. The story is told partly through commentary, partly through direct speech to the camera but mostly through that familiar character in television documentary, the fly on the wall. (Ceefax)

10.30 *Newsnight* includes a report on the shifting balance of power and terror in the Middle East. King Hussein of Jordan is interviewed

11.15 *The Late Show*. Arts and media magazine

11.55 *Weather*

12.00 *Open University: management decisions*. Ends at 12.30am

the new Keith Moon. His background is upromising: he has been a drug addict, alcoholic and mental patient. Hoping to put all that behind him he embarks on a marriage to Jackie, which brings his three children together with her five. But he is one of those maddening characters, all charm and no application, who keep threatening to turn over a new leaf only to return to the bad old ways. The job goes, the band breaks up and he is back on the booze. Even the tolerant Jackie is near the end of her patience. The story is told partly through commentary, partly through direct speech to the camera but mostly through that familiar character in television documentary, the fly on the wall. (Ceefax)

10.30 *Newsnight* includes a report on the shifting balance of power and terror in the Middle East. King Hussein of Jordan is interviewed

11.15 *The Late Show*. Arts and media magazine

11.55 *Weather*

12.00 *Open University: management decisions*. Ends at 12.30am

5.30 *Drag and drink abuser Figg Fox* (9.30pm)

the new Keith Moon. His background is upromising: he has been a drug addict, alcoholic and mental patient. Hoping to put all that behind him he embarks on a marriage to Jackie, which brings his three children together with her five. But he is one of those maddening characters, all charm and no application, who keep threatening to turn over a new leaf only to return to the bad old ways. The job goes, the band breaks up and he is back on the booze. Even the tolerant Jackie is near the end of her patience. The story is told partly through commentary, partly through direct speech to the camera but mostly through that familiar character in television documentary, the fly on the wall. (Ceefax)

10.30 *Newsnight* includes a report on the shifting balance of power and terror in the Middle East. King Hussein of Jordan is interviewed

11.15 *The Late Show*. Arts and media magazine

11.55 *Weather*

12.00 *Open University: management decisions*. Ends at 12.30am

6.00 *Open University (FM only)*

6.55 *World and News Headlines* 7.00 *Morning Concert: Brahms (Hungarian Dances Nos 1, 5, 7, 10; John Ogdon and Brussels Lucas, piano)*

7.30 *Morning Concert (cont)*: (Gounod (Petite symphonie for wind: London Baroque Ensemble under Karl Haas); Finzi (Prelude and Romance: Gounod (Petite symphonie for wind: London Baroque Ensemble under Karl Haas); Bach (Brandenburg Concerto No 1; English Concert under Trevor Pinnock))

8.30 *News*

9.00 *Tygo Road*. Comedy set around the upromising joke that an inner-city community centre has an inept yuppie working for it. This week he invites up invitations to an exhibition. Kevin McNally stars, and makes most of the laughs that are going (Ceefax)

9.30 *Present Imperfect*. • The first in a series on people, each filmed over a period of 12 months, for whom life is a struggle. Stephen Cox, alias *Figg Fox*, is a sheet metalworker and spare time drummer who dreams of becoming the

new Keith Moon. His background is upromising: he has been a drug addict, alcoholic and mental patient. Hoping to put all that behind him he embarks on a marriage to Jackie, which brings his three children together with her five. But he is one of those maddening characters, all charm and no application, who keep threatening to turn over a new leaf only to return to the bad old ways. The job goes, the band breaks up and he is back on the booze. Even the tolerant Jackie is near the end of her patience. The story is told partly through commentary, partly through direct speech to the camera but mostly through that familiar character in television documentary, the fly on the wall. (Ceefax)

10.30 *Newsnight* includes a report on the shifting balance of power and terror in the Middle East. King Hussein of Jordan is interviewed

11.15 *The Late Show*. Arts and media magazine

11.55 *Weather*

12.00 *Open University: management decisions*. Ends at 12.30am

6.35 *Composers of the Week*: (Berlioz: Overture, Calm Sea and Prosperous Voyage (Bam Simphony Orchestra under Peter Maag); Die erste Walpurgisnacht (Cleveland Orchestra and Charles Dutoit under Donal Donnelly))

7.30 *News*

8.00 *Open University (FM only)*

8.55 *World and News Headlines*

9.00 *Tygo Road*. Comedy set around the upromising joke that an inner-city community centre has an inept yuppie working for it. This week he invites up invitations to an exhibition. Kevin McNally stars, and makes most of the laughs that are going (Ceefax)

9.30 *Present Imperfect*. • The first in a series on people, each filmed over a period of 12 months, for whom life is a struggle. Stephen Cox, alias *Figg Fox*, is a sheet metalworker and spare time drummer who dreams of becoming the

new Keith Moon. His background is upromising: he has been a drug addict, alcoholic and mental patient. Hoping to put all that behind him he embarks on a marriage to Jackie, which brings his three children together with her five. But he is one of those maddening characters, all charm and no application, who keep threatening to turn over a new leaf only to return to the bad old ways. The job goes, the band breaks up and he is back on the booze. Even the tolerant Jackie is near the end of her patience. The story is told partly through commentary, partly through direct speech to the camera but mostly through that familiar character in television documentary, the fly on the wall. (Ceefax)

10.30 *Newsnight* includes a report on the shifting balance of power and terror in the Middle East. King Hussein of Jordan is interviewed

11.15 *The Late Show*. Arts and media magazine

11.55 *Weather*

12.00 *Open University: management decisions*. Ends at 12.30am

6.35 *Composers of the Week*: (Berlioz: Overture, Calm Sea and Prosperous Voyage (Bam Simphony Orchestra under Peter Maag); Die erste Walpurgisnacht (Cleveland Orchestra and Charles Dutoit under Donal Donnelly))

7.30 *News*

8.00 *Open University (FM only)*

8.55 *World and News Headlines*

9.00 *Tygo Road*. Comedy set around the upromising joke that an inner-city community centre has an inept yuppie working for it. This week he invites up invitations to an exhibition. Kevin McNally stars, and makes most of the laughs that are going (Ceefax)

9.30 *Present Imperfect*. • The first in a series on people, each filmed over a period of 12 months, for whom life is a struggle. Stephen Cox, alias *Figg Fox*, is a sheet metalworker and spare time drummer who dreams of becoming the

new Keith Moon. His background is upromising: he has been a drug addict, alcoholic and mental patient. Hoping to put all that behind him he embarks on a marriage to Jackie, which brings his three children together with her five. But he is one of those maddening characters, all charm and no application, who keep threatening to turn over a new leaf only to return to the bad old ways. The job goes, the band breaks up and he is back on the booze. Even the tolerant Jackie is near the end of her patience. The story is told partly through commentary, partly through direct speech to the camera but mostly through that familiar character in television documentary, the fly on the wall. (Ceefax)

10.30 *Newsnight* includes a report on the shifting balance of power and terror in the Middle East. King Hussein of Jordan is interviewed

11.15 *The Late Show*. Arts and media magazine

11.55 *Weather*

12.00 *Open University: management decisions*. Ends at 12.30am

6.35 *Composers of the Week*: (Berlioz: Overture, Calm Sea and Prosperous Voyage (Bam Simphony Orchestra under Peter Maag); Die erste Walpurgisnacht (Cleveland Orchestra and Charles Dutoit under Donal Donnelly))

7.30 *News*

8.00 *Open University (FM only)*

8.55 *World and News Headlines*

9.00 *Tygo Road*. Comedy set around the upromising joke that an inner-city community centre has an inept yuppie working for it. This week he invites up invitations to an exhibition. Kevin McNally stars, and makes most of the laughs that are going (Ceefax)

9.30 *Present Imperfect*. • The first in a series on people, each filmed over a period of 12 months, for whom life is a struggle. Stephen Cox, alias *Figg Fox*, is a sheet metalworker and spare time drummer who dreams of becoming the

new Keith Moon. His background is upromising: he has been a drug addict, alcoholic and mental patient. Hoping to put all that behind him he embarks on a marriage to Jackie, which brings his three children together with her five. But he is one of those maddening characters, all charm and no application, who keep threatening to turn over a new leaf only to return to the bad old ways. The job goes, the band breaks up and he is back on the booze. Even the tolerant Jackie is near the end of her patience. The story is told partly through commentary, partly through direct speech to the camera but mostly through that familiar character in television documentary, the fly on the wall. (Ceefax)

10.30 *Newsnight* includes a report on the shifting balance of power and terror in the Middle East. King Hussein of Jordan is interviewed

11.15 *The Late Show*. Arts and media magazine

11.55 *Weather*

12.00 *Open University: management decisions*. Ends at 12.30am

6.35 *Composers of the Week*: (Berlioz: Overture, Calm Sea and Prosperous Voyage (Bam Simphony Orchestra under Peter Maag); Die erste Walpurgisnacht (Cleveland Orchestra and Charles Dutoit under Donal Donnelly))

7.30 *News*

8.00 *Open University (FM only)*

<div data-bbox="237 690 367 70



Far from the madding adventure: Hammond Innes, the author whose thrillers are set in the wild places of the earth, walking through a Suffolk wood with his dog. Mr Innes has planted 1.5 million trees near his homes in Wales, the Wye Valley and at Kersey, Suffolk. His first book, *Wreckers Must Breathe*, published 50 years ago, is being relaunched

## Wallace affair inquiry clears MoD officials

By Robin Oakley, Political Editor

A MINISTRY of Defence inquiry into the Colin Wallace black propaganda affair has found no *prima facie* evidence to suggest that individuals withheld documents from the Government. Ministers including Mrs Thatcher had originally denied knowledge of the "Clockwork Orange" operation in Parliament.

The report of the inquiry into the handling of documents relating to Mr Wallace's duties, by an unnamed senior official, was placed in the House of Commons library yesterday. It says that officials in general acted reasonably and that there is no need for any fundamental change in the way the ministry does its business. But it adds that there were "instances of questionable judgement".

Mrs Thatcher admitted to MPs in February that she and other ministers had been misled about the existence of a black propaganda operation in Ulster by security agencies. After repeated ministerial denials, officials later unearthened papers referring to the "Clock-

work Orange" operation when searching the archives for job application details.

This amounted to corroboration of the claimed involvement in psychological warfare operations by Mr Wallace, a former senior army information officer in Ulster, who was dismissed in 1975 for leaking a restricted document and who has claimed he was victimized. Mr David Calcutt, QC, is conducting a separate inquiry into Mr Wallace's dismissal.

The internal MoD inquiry report made available to MPs yesterday says the files relating to Mr Wallace's employment and duties in Northern Ireland were held separately from those dealing with "the procedural aspects of his case".

Officials did not realize, says the report, that the personal file details were not complete.

There was a "break in continuity" when the handling of Mr Wallace's case was switched from the civilian management division to the Northern Ireland division within the MoD. The report

says: "It has not been possible to establish as a matter of certainty the previous whereabouts of the file on which the reference to Clockwork Orange was first found."

There was nothing at the time to make Clockwork Orange appear memorable to officials. The name meant little until 10 years later and they were not "complacent or dismissive on the matter," says the report.

But it adds that a "more perceptive scrutiny" would have brought the missing papers to light sooner.

Labour MPs were dismissive of the report last night Mr Tam Dalyell, the MP for Linlithgow and one of those who has raised the Wallace case in the Commons, said: "I am livid at the way Parliament is treated. It is not as though this was a peripheral one-off inquiry. There have been endless questions and adjournment debates."

"What is revealed is how absolutely casual the Defence Department was in the face of parliamentary scrutiny,"

## Communism accused

Continued from page 1

Central Committee and its new parliamentary deputies and local councillors. If he were in charge, he says, he would ban it, but he claims already to have the agreement of the reform-minded Moscow City Council to show it in one of the largest and most central cinemas in the capital.

He is in two minds even about this: "I am both cheered and saddened," he says, "because it shows the weakness of our leadership that they no longer have the power to prevent people seeing such films even if they wanted to."

Moscow City Council's undertaking to show the film is no guarantee of course that it will be shown to a wider audience than saw it at its press preview yesterday.

Yet it has official credentials and was made jointly by the main Moscow film studios, Mosfilm, and a West German company. It has also been viewed, and not forbidden outright, by the Interior Minister, Mr Vadim Bakatin.

Gorukhkin says he was promised to show him the film first (because he had given permission for Soviet police to be filmed) and made a number of cuts at his request. Those cuts,

as enumerated by Gorukhkin, illustrate what – even in its most enlightened and generous frame of mind – the Soviet establishment can still not bear. They included sequences which showed corruption and dishonesty in the Soviet police (most Soviet policemen emerge as pitiable, poorly equipped and poorly supported, and occasionally short-tempered, but not malicious and not corrupt). They also included all sequences, which originally formed a large part of the final section, showing the violent overthrow of the Ceausescus in Romania.

Despite these cuts, the message for the Soviet leadership is unambiguous: the country is dangerously unstable, law and order are on the verge of breakdown, nationalist unrest is nothing more than popular insurgency and endemic criminality by another name. Soviet people have been deprived and downtrodden by their rulers to the extent that the Communist Party should be brought to trial.

Comparisons between the lives lived by police officers in the Soviet Union and in the United States and West Germany give the Soviet audience glimpses of just how far behind their country has fallen and how ruined and hopeless it appears to an outsider.

## Political sketch

### Gerbils that don't snarl in the night

MUCH is made of the lions and tigresses among ministers. One man is spoken of as an eagle, another a workhorse; there are scapegoats, poodles, running-dogs and even dinosaurs. But no one ever mentions the gerbils.

Gerbil-ministers are very important. These are the competent, colourless men: the ones who labour at the coalface of their Whitehall Department without ever becoming household names.

They have greyish hair and are neither very fat, very thin, noticeably tall or unusually short. They often wear spectacles and cannot pronounce their 'r's. Gerbil-ministers are those of whom it is said in bars and taxis that the PM has so outshone her Cabinet that nobody knows who the rest of the team are.

Yet gerbils are vital. It is absolutely necessary that at any one time at least half the Cabinet should be gerbils.

After all, if the PM is to shine, there must be a dull background from which to do so. Besides, there is practical work to be undertaken in government and it is not possible for famous people to do this as they are obliged to be controversial. The last thing you want, to take a difficult and sensitive bill through the House, is a controversial minister. The best person to bat from a sticky political wicket is a capable, crashing bore whose name nobody quite recalls.

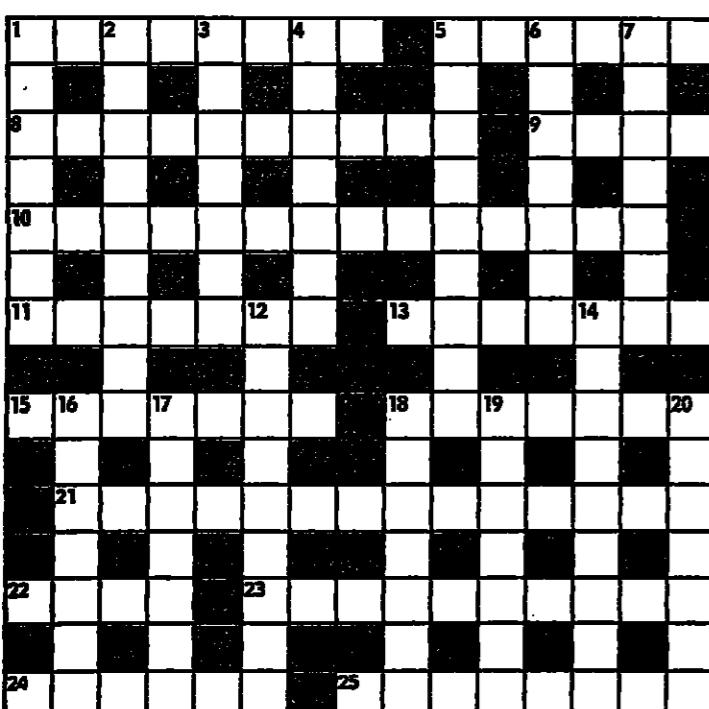
To Lady Fowler and the children and to those of us privileged to know him, Sir Norman Fowler is anything but boring. But as a Departmental minister he was an award-winning gerbil. We cannot quite recall what Fowler was Minister of, but Transport, Employment and the DHSS (though not necessarily in that order) stir memories and some people believe he also wrote *Fowler's Modern English Usage*. In my view he was a huge success in each Department, and my test is a simple one: during his time, each, successively, dropped completely out of the news.

Another gerbil – Tony Newton – has now been put in at the DHS, while gerbils rule in Defence (Tom King), Northern Ireland (Peter Brooke) and Education (no – you guess. Can't remember,

if anyone can do it, Mr Wakeham can. Who knows? You may not even notice,

Matthew Parris

## THE TIMES CROSSWORD PUZZLE NO 18,294



### WORD-WATCHING

A daily safari through the language jungle. Which of the possible definitions is correct?

By Philip Howard

**CLEM**

a. A maul-wrench

b. To starve

c. A garden gnome

**SOMBRERITE**

a. Rock-gem

b. A hat material

c. The midday sun

**MALEMUTE**

a. A dumb slave

b. An Eskimo dog

c. The Egyptian prance

**BOFFOGLA**

a. A TV game bribe

b. A loud laugh

c. Sexual promiscuity

Answers on page 22

### AA ROADWATCH

For the latest AA traffic and roadworks information, 24 hours a day, dial 0836 401 followed by the appropriate code.

**London & SE traffic, roadworks**

C. London (within N & S Circs) 731

M-ways/roads M4-M1 732

M-ways/roads M1-Dartford T... 733

M-ways/roads M23-M4 734

M25 London Orbital only 735

National traffic and roadworks

National motorways 736

West Country 737

Wales 738

Midlands 740

East Anglia 741

North-West England 742

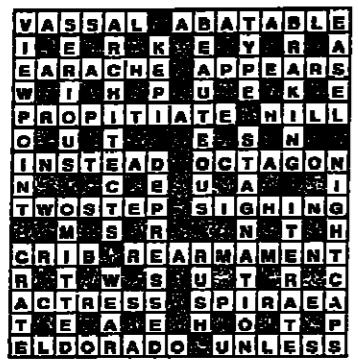
North-East England 743

Scotland 744

Northern Ireland 745

**AA Roadwatch is charged at 5p for 8 seconds (peak and standard) 5p for 12 seconds (off peak).**

**Solution to Puzzle No 18,293**



Concise crossword, page 22

### WEATHER

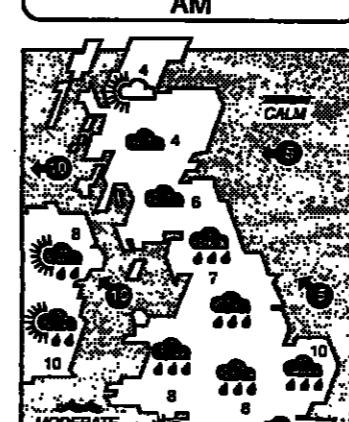
by brighter showery weather. England, Wales and Northern Ireland will start cloudy with outbreaks of rain. Southern and central England will have sunny spells. Wales, Northern Ireland and western England will have prolonged showers. North-east England and most of Scotland will start bright. Outlook: Broken cloud in the south, showers in the north.

### ABROAD

IN AN unprecedented move, President Mitterrand joined the tens of thousands of people who marched here, largely in silence, last night in protest against racism and the desecration of the Jewish cemetery at Carpentras, southern France, last week.

Alongside M Mitterrand marched the Prime Minister, M Michel Rocard, members of the Government and senior politicians from both sides of the political divide. Behind them came an estimated 200,000 people and the hundreds of police who blocked off the route between the Place de la République and the Place de la Bastille. M Mitterrand was surrounded by the crowd as police tried without success to form a cordon. Although Paris has been the venue for many large protests seldom has it seen such a huge demonstration uniting people of different political and religious faiths.

Only a small number of demonstrators



### LIGHTING-UP TIME

London 8.46 pm to 5.08 am  
Belfast 8.55 pm to 5.18 am  
Glasgow 9.11 pm to 5.21 am  
Manchester 8.03 pm to 5.07 am  
Birmingham 9.02 pm to 5.35 am

### POLLEN COUNT

The pollen count for London and the South-east issued by the Asthma Research Council today at 10 am yesterday was 5, low. Forecast for tomorrow: For the next 24 hours call National Pollen and Hay Fever Bureau: 0886 500429 (updated at midday).

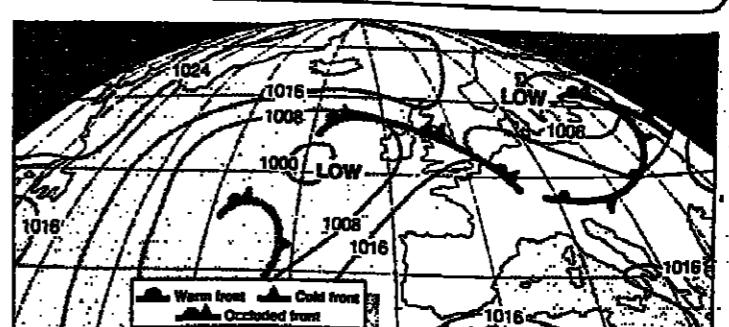
Sun rises: 5.09 am 8.49 pm  
Moon rises: 1.16 am Moon sets 9.14 am

Last Quarter May 17

### HIGH TIDES

TODAY	AM	HT	PM	HT
Lowestoft	5.5	5.57	6.5	3.19
Balfron	1.02	10.8	11.7	10.7
Belfast	2.55	3.3	3.30	3.0
Cardiff	10.25	10.1	11.30	10.2
Southend	5.44	4.8	5.7	5.5
Dover	2.33	5.2	5.6	5.8
Falmouth	9.14	4.4	9.32	4.5
Glasgow	4.01	2.2	4.5	3.7
Harslech	3.37	3.5	3.44	3.6
Holyhead	2.05	4.9	2.38	4.6
Isle of Wight	10.25	10.48	6.1	9.27
Ilfracombe	5.51	7.8	10.12	7.9
Kings Lynn	10.13	5.7	10.52	5.2
Leith	6.32	4.7	7.14	4.6
Portsmouth	3.11	4.4	4.1	4.1
Southampton	2.42	5.3	3.17	5.3
Southend	2.37	4.0	3.17	3.9
Southampton	10.17	7.9	10.38	7.9
Teeside	7.45	4.7	8.28	4.5
Weymouth	7.33	3.7	3.37	3.7

Time in metres: 1m=3.2808ft. Times are BST





TEMPUS

## Dealer is ordered to pay UK investors

THE Securities and Investments Board has obtained a High Court order requiring Vandersteen Associates, a Belgian futures dealer, to pay more than £214,000 into court for British investors.

The SIB also won a permanent injunction, restraining Vandersteen, which formerly operated without authorisation under the Financial Services Act, from carrying on investment business. It is also banned from "cold-calling" — making unsolicited calls — and issuing unauthorized investment advertisements in England and Wales.

SIB first obtained interim injunctions against Vandersteen in February.

### Imperial drop

Imperial Cold Storage & Supply Co, the South African food company, saw pre-tax profits fall from R33.6 million to R20.4 million (£4.6 million) in the six months to end-March. Earnings per share fell from 90.8 to 63.8 cents. The interim dividend is reduced from 18 to 14 cents.

### EIT pays more

English and International Trust reported pre-tax revenue of £3.44 million (£1.90 million) for the year to April 4. Earnings per share climbed from 2.75p to 3.03p. There is a final dividend of 2.2p, making 3p (2.7p).

### Borrie survey

Sir Gordon Borrie, the Director General of Fair Trading, has commissioned a nationwide survey of 2,500 public houses to establish purchasing patterns of beer, wines, spirits and soft drinks.

### Lloyds offer

Students and student nurses are being offered larger interest-free overdrafts by Lloyds Bank.

### Mecca sale

Mecca Leisure Group has put its Character Hotels chain up for sale. A decision on the purchaser is expected to be made by June 25.

### Barclays move

Barclays Bank is combining its commercial paper operations in the US into a new company, Barclays US Funding.

# Look East for platinum strength

PLATINUM is more precious than gold, and the respective investment vehicles more attractive, in the long-term, than their yellow cousins.

The latest authoritative review of the industry by Johnson Matthey, the precious metals group, suggests that 1990 will turn out to be the sixth successive year in which world demand outstrips supply (in 1989, the short-fall factor was 90,000 oz, down from 400,000 oz, in 1988)

though the price range for 1990 is likely to be no more exciting than between \$470 and \$520 an ounce.

The investment fundamentals are, however, somewhat offset by fears that investment demand — the incidence of which can really put zip into the market, and in turn the shares — cannot be relied on in 1990 to the same extent as in previous years.

Western-world investment demand, largely generated from Japan, in the "small" category fell from 330,000 oz to 130,000 oz last year, and within the "large" category from 300,000 oz to 30,000 oz.

Platinum watchers will therefore have to look East with one eye to monitor Yen currency movements and Japanese buying habits for the real lead in 1990.

With the other eye, they must look towards South Africa, where suggestions about possible nationalization of parts of the mining industry made by Mr Nelson Mandela and the African National Congress still distract investors.

However, Rustenburg and Impala remain the more obvious platinum investments in the sector on prospective dividend yields of 5.5 per cent and 5 per cent respectively.

Platinum candidates should also include Johnson Matthey, one of Britain's top three suppliers, with 42,000 machines on hire to public houses and clubs. However, it also unbalanced the intended 50-50 split between amusements and nursing homes.

Pre-interest profits from



Interim jump: Russell Smith, chairman of Kunick

pared with £1.8 million in the whole of last year — is a moot point.

But the shares, up 2p at 58½p, are not particularly expensive on a prospective p/e ratio of under 10 with brokers expecting profits of £20.6 million and earnings of 6.1p in the full year.

ANOTHER property development company has fallen from grace. Merchant Manufactory Estate Company's descent has been steeper due to its former management's idea of counting

money — and spending it — before it reached the bank.

The problem centred on the Coles Lock scheme in Surrey. MMEC accounted for a £1.2 million profit from the sale of 35 of its 43 flats, in 1988. The snag was only three had been built, the others had only exchanged contracts.

A year later, many are still incomplete, and the company has been forced to take a £90,000 write-off in its 1989 figures. MMEC's new management has since sacked the main contractor.

Elsewhere, the company is weighed down by the dozen development sites it bought in late 1988, at the top of the residential market. Only three — mainly old warehouses for conversion into flats — are under development. 68 flats lie unsold, along with eight idle developments, while interest charges mount.

This has produced a 1989 loss of £3.36 million, against a £1.13 million pre-tax profit. The provision for Coles Lock, a £2.1 million general write-down and a £500,000 loss on a property in Dublin, have all been rolled into an exceptional charge of £3.75 million. Predictably, the final dividend (2p in 1988) has evaporated.

MMEC's main investors, Messrs Simon and Peter Southall, axed the board when the problems came to light and have stepped in themselves as chairman and managing director. At least they have faith in MMEC, as they have doubled their stake to 26 per cent.

MMEC's most worrying behaviour is a refusal to state the company's debts until the annual report is published. These could force it into refinancing. The shares are 15p, compared to the 1988 offer price of 93p, but remain distinctly speculative.

## BUSINESS ROUNDUP

### THF close to £400m Crest hotels purchase

TRUSTHOUSE Forte is close to finalizing the estimated £400 million purchase of Crest, the 47-strong hotel chain, from Bass, the brewer, which put the group on the market at the end of February to concentrate on its Holiday Inns chain. Neither side would comment on suggestions that a deal was imminent, but City sources suggest it could come as early as this week.

Crest fits neatly with Posthouse, THF's chain of 39 hotels. Both are in the middle of the market and mainly located in Britain, but with virtually no geographical overlap because of an earlier policy of avoiding head-on competition. They would have just 1 per cent of the British hotel market after merger.

### Freshfields in Frankfurt

FRESHFIELDS, the solicitors, are opening an office in Frankfurt, West Germany, staffed by German, English and French lawyers. The firm already has offices in Paris and Brussels. Dr Peter Opitz, a former banker, has been appointed the senior German lawyer. Managing partner will be Mr Julian Francis, a corporate finance partner in the London office.

### £4.4m Coats disposal

COATS Viyella, the textiles group, has disposed of the energy equipment and special projects division of its Hermite Precision Engineering subsidiary to a management buy-out partner for a total of £4.4 million.

The assets were bought by Noblemans, a company formed by the management of Hermite with the assistance of the Birmingham office of Lloyds Development Capital, with Coopers & Lybrand Deloitte acting as lead adviser to the management team from its Nottingham and Leeds offices. Of the total consideration, £3.9 million is payable on completion.

### British Gas regions split

KIDDER Peabody, the US investment bank, is expected to dismiss more staff amid the downturn on Wall Street. The General Electric subsidiary is said to be close to dismissing up to 10 per cent of its present workforce, now 5,400. It dismissed 10 per cent last year.

Kidder said yesterday that it had "no plans for widespread cutbacks."

### Novalal steps up research

NOVALAL, the tree-cloning company that joined the USM in February, is acquiring for £400,000 the equipment and lease on one of Britain's most advanced plant development laboratories, at Silwood Park, Ascot, from BP Nutrition. It will be the focal point for Novalal's research in its three core technologies, plant tissue culture, continuous fermentation of plant cell suspension cultures and biotransformations.

Novalal also said that it is to conduct in-vitro trials on anti-cancer uses of indolizidine alkaloids — a group of compounds including castanospermine — with Professor Pierre Guille, of St Mary's Hospital Medical School, London.

### EC directive may end 'green card' for drivers

From Peter Guilford, Brussels

THE "green card", used by motorists travelling in other European Community countries, may no longer be a requirement after trade ministers yesterday approved the EC's third directive on motor insurance.

The directive confirms that EC policies must provide third party cover in the event of an accident anywhere in the community.

British officials impatiently await more radical proposals, promised for later this year, which they hope will sweep existing directives away and offer a single licence allowing insurers to sell motor policies anywhere in the EC.

## Philips chairman resigns

By Our European Business Correspondent

THE chairman of Philips, Mr Cor van der Klugt, has resigned after the collapse in first-quarter profits announced less than two weeks ago.

He will be succeeded by Mr Jan Timmer, formerly head of Polygram, Philips's record subsidiary, which he floated on the market last December.

Mr van der Klugt's resignation was prompted by bad first-quarter profits, down to F16 million (£2 million) from F122.3 million (£7.2 million).

Mr van der Klugt, aged 65, was due to retire next year.

## Soviet payments coming through after complaints

THE Soviet authorities are working to solve the problem of tardy payment for goods which has given rise to complaints from Western exporters, according to Lord Trefgarne, the Trade Minister.

"I'm glad to say payments are now coming through," he said at the London launch of a British exhibition to be held in Kiev next month.

British ministers had raised about a dozen companies' complaints with the Soviet authorities, he added, and these were being resolved.

Lord Trefgarne said: "There are signs that the Soviet Union has been conscious of the problem and is working to put it right."

British government officials said the problem appeared to be largely administrative, as the central Soviet authorities had devolved responsibility for foreign trade to foreign trade groups and companies.

Some foreign trade bodies are appealing to delay pay-

ments, but this was not Soviet government policy, and the authorities were taking steps to restore the country's credit rating by ensuring payments were made, the officials added.

Administrative changes and the parallel reorganization of the Soviet government structure were causing uncertainty and confusion among Western businessmen, Lord Trefgarne said.

Lord Trefgarne dismissed a Japanese estimate that those Soviet payments to Japanese firms more than three months overdue totalled more than \$500 million. The amounts of money involved were relatively small, he said, but declined to quantify them.

He also ruled out a joint approach by Western creditor countries to put pressure on Moscow. However, the matter was probably being looked at by international trade bodies such as the Berne Union of export credit insurers.

At present, a green card is

## Turning point for Germany as Daimler-Benz blossoms

By Wolfgang Mincham  
European Business Correspondent

IN THE days of Detroit domination, what was good for General Motors was good for the United States, or so the saying goes. The same now appears to hold true for Daimler-Benz and West Germany.

Few companies and their chief executives can match the pre-eminence of Daimler-Benz, West Germany's flagship conglomerate, and Herr Edzard Reuter, its chief executive.

Herr Reuter, like many German bankers and finance directors, is on the verge of shedding *Angst*.

German *Angst*, in a financial sense, was, for example, expressed in the 60-year-old ban on futures trading until the end of last year.

But with the prospect of monetary union and reunification, a good deal of optimism has returned and so too, it appears, has the long-lost concept of "future."

Future *Angst* may also have been the reason behind West Germany's high propensity to save — for when things get bad — and its companies' cautious methods of accounting, as evidenced by unusually large hidden reserves — for when things get really bad. Today, things are looking really bad.

In the early- to mid-1980s, when Herr Reuter was Daimler's finance director, he made a habit of accumulating massive hidden reserves.

This created an image of slow and steady growth, when in fact, growth was advancing at a rather more substantial rate for most of the decade.

But now the situation is different. The company's annual results, due today, will show the strongest rise in net



Edzard Reuter: ready to shed West German *Angst*

profits ever witnessed in West German corporate history.

Net earnings are expected to rise to almost DM7 billion (£2.5 billion), after DM1.7 billion last time, as a result of a most extraordinary item. But operating profits are expected to fall.

The extraordinary credit consists of a revaluation of pension liabilities and depreciation write-offs to the tune of about DM5 billion.

Daimler-Benz says this will only bring it in line with international practice before the planned listing of its shares in London and Tokyo.

While few would argue that the change of accounting prac-

tic's take-over of Messerschmitt-Bölkow-Blohm, the aircraft manufacturer, which is not expected to contribute to profits for some time.

Although Deutsche Airbus wants the European aircraft consortium to operate profitably, Airbus's change of status into a public limited company remains many years away — even if the so far reluctant French partners begin to co-operate.

AEG, Daimler-Benz's struggling electronics subsidiary, is not making profits either. There is additional uncertainty over the recent \$1.15 billion lawsuit filed by General Electric of the United States against Daimler over its alliance with United Technologies, one of GE's competitors.

This alliance allegedly contravenes an agreement between Daimler's MTU subsidiary and GE over the development of high-thrust aero engines.

With all these problems, it is paramount that Mercedes-Benz, Daimler's core business, continues to grow, which would allow Daimler's diversifications to be digestible and justified, if only in the long term.

But there are fears that the company, keen to play at the top of the world's premier corporate league, may have grown too fast.

But then, of course, if things are bad for Daimler, they may be bad for Germany as a whole.

The country is also in something of a takeover mood, and about to revise its national accounts, thereby exhibiting the "un-German" values of corporate mischance, risk-taking, diversification and growth for the sake of it.

**BANK OF SCOTLAND**  
A FRIEND FOR LIFE

For a copy of the Bank's Annual Report contact the Public Affairs Department, Bank of Scotland, PO Box 725, Orchard Brae House, 30 Queensferry Road, Edinburgh EH4 2UH. Telephone 031 343 7070

50 مارس

# Gloom deepens as receivers move in at building firms

By Angela Mackay

**GLOOM** permeated the housing sector after lenders called in receivers at Federated Housing and Stanley Miller Holdings.

Federated, a specialist builder for the first-time home buyer, based in Kent and Surrey, lost a month-long battle to sort out its finances when Barclays Bank refused to support the group. Spicer & Oppenheim has been appointed administrative receiver.

Mr Nick Lyle, the receiver, said the company had total debts of just more than £20 million. He said there had been some inquiries from purchasers interested in buy-

ing assets. A main cause of Federated's problem was the company's joint venture with McAlpine to build 200 houses at Cheam, Surrey. It is likely that McAlpine will be forced to assume responsibility for the project under the terms of the agreement. Federated shares were suspended at 41p last month.

Stanley Miller, the building contractor based in Newcastle, had receivers appointed late yesterday, hours after Mr Harry Midgley, the managing director, issued an optimistic statement about the sale of the assets to two parties.

A group of banks, led by National Westminster, appointed Ernst & Young as receiver after negotiations to

sell the business broke down. Miller's shares were suspended this month at 20p. They fell sharply from 20p after a profits warning was issued in January.

Meanwhile, Merchant Manu-

facturing Estate Company, a USM-quoted property developer, reported a loss of £3.6 million for 1989, against a pre-tax profit of £3.13 million the year before. The company, previously run by Mr Paul de Savary, admitted to "judgemental errors" in its previous accounting methods which had inflated profits by £1.2 million from unsold flats.

Mr de Savary, half-brother of Mr Peter de Savary, the entrepreneur, resigned from MMEC in November. The

Tempus, page 26

## SIB gives details of payouts on failures

By Lindsay Cook  
Family Money Editor

THE Securities and Investments Board has published details of what compensation bills insurance companies and building societies could face when they join the investors' compensation scheme.

The insurance companies and other members of the Life Assurance and Unit Trust Regulatory Organization will pay compensation in the event of a failure of one of their own members up to £27 million.

An insurance policy has been taken out by the scheme to cover any investment losses over £25 million so other regulators will never have to pay out for Lautro members.

However, Lautro members would have to pay out 28 per cent of any losses above other regulatory organizations' compensation limits. Should a company regulated by SIB or the Association of Futures Brokers and Dealers fail, taking more than £5 million of investors' money with it, then Lautro and other regulators would be called upon.

Lautro members would pay

28 per cent of the loss between £5 million and £25 million.

Members of the Financial Intermediaries, Managers and Brokers Regulatory Association would foot the first £19 million of members' losses and pay 20 per cent towards other losses.

The Investment Management Regulatory Organization would pay up to £18 million and 18 per cent of outside losses. The Securities Association will pay the first £46 million and 47 per cent.

## Greenbank's profits leap 131% to £7m

PRE-TAX profits at Walker Greenbank, the wallcoverings to healthcare and signs group which has seen extensive changes and a series of disposals, surged by 131 per cent to £7.12 million in the 53 weeks to February 3.

Group turnover grew by 7.2 per cent to £127.3 million. Earnings per share jumped by 112 per cent to 5.1p, and the final dividend is improved to 1.75p (1.25p), making 2.75p (2.25p) for the year.

## COMMENT

# Electricity generators: should Sid be told?

Wider share ownership is a concept which the City embraces in theory but which it finds distinctly unattractive and, more importantly, unprofitable in practice. The experience of dealing with the aftermath of the water authorities' privatization and the sorry performance of the shares since they hit the market, has merely hardened the view that, while Sid is great for politics, he is poor for business.

In the face of that, there are distinct signs that a campaign is beginning to persuade the Government, through its broking adviser, James Capel, that while it might just be tolerable to load the shares in the dozen distributors with perks and sell them to the private investor, the two generators are a different matter.

Soundings are now being taken to establish whether the generators should be sold by tender, a method of sale which de-selects the unsophisticated investor and tends to put the shares in the hands of investors who will hang on to them. Given that it will be difficult to provide incentives to buyers of shares in the generators, that is a reasonable avenue to explore.

However, no decisions have been taken and none are likely, especially given the tangled politics of privatization, for months. By the time the generators are sold in early 1991, the next general election will be within sight and the Government will not want to risk the charge of "selling cheaply to its friends in the City." At the same time, it does not want an army of Sids sitting on losses. James Capel will earn its corn if managers to come up with the right answer.

## Luxury of top Marks

There could be a wearying inevitability about another set of excellent results from Marks and Spencer, but this year's announcement arrived on a day when retail sales were seen to be climbing again and City forecasts were largely wrong-footed, all staying below the £600 million level while the retailer came in with an increase from £529.0 million to £604.2 million.

Forecasts for the current year range between £655 million and £675 million pre-tax. With the shares up 4½p at 202½p, they sell on a deserved premium rating of 12.7 times' prospective.

Lord Rayner, the chairman, seldom gives away much about current-year trading, but he relaxed sufficiently to enthuse about the effect on this year's

profits of the unseasonable weather and the Easter trading period, absent in the previous financial year. That month, the high street as a whole saw a 1 per cent rise in retail sales in April, after March's 1.8 per cent drop.

Marks had the unexpected benefit of pension charges almost £7 million lower and a sharp reduction in borrowings which saw interest costs fall from £21.6 million to £8.8 million. The group ended the financial year with gearing of just 16.6 per cent, even including its burgeoning financial activities. Unimaginable luxury in the retailing sector.

Britain remains the engine ahead: gross operating margins edged ahead by half a per cent, while information technology will bring further benefits as it is increasingly introduced into food stores. But Canada remains a disaster, while Brooks Brothers in the US is still well below its full potential.

## Valuing valuation

Five years ago, chief executives believed their job was to increase a company's earnings per share and that the share price was not their concern. But attitudes are beginning to change in the wake of the acceleration of takeover bids, the rise of corporate raiders and the low rating of British companies' shares compared to potential foreign predators.

A survey of 200 quoted companies for *pic UK*, a new publication by 3i, the development capital and buyout specialist, shows that more than four in five are much more concerned about their stock market valuation. Most still believe this is essentially determined by earnings per share growth, but a minority see a move away from pure earnings valuation.

They are not happy about it. Most appear to see themselves under the thumb of institutional investors and investment analysts — who take far too short a view. But the managers are learning to live with it. According to 3i, who have a benign vested interest, shareholder value will be the concept of the decade, leading to re-examination of previous acquisitions and lots of unbundling, divestment and concentration on core activities.

However, when asked how they thought they could best increase their undervalued share price, most finance directors pinpointed acquisitions and, after that, talking to investment analysts. More promisingly, from the investors' point of view, dividend policy also rated highly.

# Polly Peck sells ships for £141m

By Derek Harris  
Industrial Editor

A CONSORTIUM of Norwegian companies has bought nine refrigerated cargo vessels from Polly Peck International for £141.5 million in cash.

Mr Asil Nadir's company took advantage of a healthier market for ship sales and expects the deal to cut its high gearing by about 20 per cent.

The ships, employed by Del Monte, a Polly Peck subsidiary, as part of its fresh fruit operations, will be chartered back for 10 years to maintain the operational strength of the Del Monte-owned and chartered worldwide fleet which consists of more than 30 vessels.

The Norwegian consortium was led by Kvaerner and Hafslund Nycomed with an investment group put together by Norse Partners.

Polly Peck confirmed that the sale proceeds would be used to reduce group debt, which, at the time of its £557 million acquisition of Del Monte last year, approached 100 per cent of shareholders' funds.

In January, the group also completed a £68.7 million deal for a controlling stake in Sansui, the loss-making Japanese electronics group.

Polly Peck said the latest deal would probably reduce gearing to 75 per cent and rein back the price earnings ratio from 12 to 9.



Calmer seas: Asil Nadir, chairman of Polly Peck, will use the sales to cut gearing

## The Guinness Trial

# Lyons 'told DTI of call to gag Roux'

SIR Jack Lyons, the financier, was pressed to use his influence to gag Mr Olivier Roux, the Guinness finance director, and prevent him talking about transactions made during the bid for Distillers, a court was told yesterday.

Sir Jack, when interrogated by government inspectors investigating the 1986 takeover, had told them that Mr Tom Ward, a former Guinness director, had wanted him to "curtail" Olivier Roux talking too much, and had claimed that it would be in the interests of Mr Roux and Ernest Saunders, the former Guinness chief executive, if Sir Jack got Mr Roux to "keep his mouth shut."

In transcripts of the interviews with Department of Trade and Industry inspectors read to Southwark Crown Court, Sir Jack said that he refused and contacted Mr Roux, who told him that

he had already given the facts to Sir David Napley, Guinness's then lawyer.

The court has heard that Sir Jack was a freelance advisor to the management consultancy Bain and Co, which employed Mr Roux, although he was seconded to Guinness.

Sir Jack told the inspectors that Mr Ward had telephoned him on December 8, 1986, seven days after the launch of the investigation.

"Ward was very concerned on the telephone that I should use my influence at Bain to curtail Olivier Roux talking too much," Sir Jack told the DTI.

He had told Mr Ward that he did not believe he would have any influence even if he were prepared to do so.

Sir Jack told the inspectors he received a £2.25 million loan from Guinness. He also told the DTI that he borrowed £3

million during the bid to buy 800,000 Guinness shares.

Asked if he had been pressurized by Mr Saunders into buying the shares, Sir Jack replied: "He is a high-pitch salesman. Let's face it, his encouragement is pressure. It's the same thing."

"And with the expression of optimism it looked to me as if this was going to be a very good investment."

Mr Saunders, aged 54; Gerald Ronson, head of Heron Corporation; Anthony Barnes, aged 44, a stockbroker; and Sir Jack, variously deny 24 charges, including theft, false accounting, and breaches of the Companies Act.

It is alleged that an illegal share support operation was staged to ensure victory for Guinness's bid for Distillers.

The trial, which reached its 50th day yesterday, continues.

## THE TIMES CITY DIARY

### Spruced-up for Annabel

TRADING volumes, still only a fraction of what they were before the 1986 stock market crash, will take on a special significance today since as much as £100,000 could be riding on the back of them. In short, the City will be doing its bit to support Thames Television Day, which will culminate in a 27-hour broadcast of charitable fund raising activities from all over Britain on Thames Television on May 27 and 28. About 40 securities firms have each offered to stump up a penny for every 50 shares they trade, and an additional penny for every £1,000 of gains. "When the City last did something like this, two years ago, we raised more than £100,000, but volumes were much higher then," says Gill Ackers, from the Stock Exchange.

Informed sources tell me that, regardless of volume levels, the smell of after-shave is likely to be particularly pungent — and Hermes ties omnipresent — on the dealing floors at James Capel, Salomon Brothers, Shearson, Warburg and Sano since those are the floors that one-time model Annabel Giles, ex-wife of pop star Midge Ure, will be touring, with a Thames camera crew in hot pursuit.

### Tale of two Fields

RANDALL Fields, beloved husband of the queen of cookies, Debbie, might not be so attached to the Holborn store bearing his wife's name as we suggested in "Tales of Old Holborn" on April 12. It

was not he who was a graduate of the nearby Polytechnic of Central London, but Randolph Fields, a well known commercial lawyer, who has nothing whatever to do with the cookie shop in question, nor any other such emporium. Our confusion arises from the fact that both the Mr Fields have been known as Randy, but Randolph is married to another lawyer, Fiona, rather than to Debbie. Our apologies to all concerned.

### Sign in the window of a maternity shop in Exeter: "We carry everything but the baby."

### Settling in

ENJOYING a new way of life in the sun are two stalwarts of the Stock Exchange settlements department, Mick Mercer, one-time settlements director at Hoare Govett, and John Simmonds, ex-head of administration at James Capel. The pair have been retained jointly by the Stock Exchange and the Central Bank of Malta to advise on the

formation, later this year, of the Malta Stock Exchange. "I spend most of my time in Malta, while John, who still works two days a week as a consultant for James Capel, endeavours to keep me on the right lines from his base in the UK," says Mercer, aged 56. Both men are past chairmen of the Stock Exchange Office Managers Association and, following their involvement with the proposed Malta exchange, have been in great demand as a double act in a number of other emerging financial centres. "We are getting quite a few offers to help establish stock exchanges in Eastern Europe, from governments or central banks," says Mercer. "Poland, Hungary and Yugoslavia have already announced that they are setting up exchanges and Bulgaria is now considering it." As for Malta, he reports that they already have a building, that a Bill will be going before parliament there in five weeks time and that the Exchange should be operational within five months.

**Back to square one** THE problem with being a non-executive chairman of a company which needs turning round, is that eventually you work yourself out of a job. After 10 years as a director on the corporate finance side of Barclays Merchant Bank, Brian Cox took the chair at a number of former clients, including East Lancs Paper, Ashley Industrial Trust and the private Carlton Hotels (Bournemouth). But one by one, his charges fell victim to bids. The last to go was

Camford Engineering, the car

parts manufacturer, which went in a £70 million offer from Markheat. In the eight years Cox was at the helm, Camford's shares rose from 7p to the take-over price of 330p, and now he is again looking for something to run. "In time you get a deal that shareholders think is right, but most bidders don't want a non-executive chairman," he says ruefully — especially so since he owned no shares or options in Camford himself.

**Shakeout** ON WALL Street they're calling it the Milk Shake. It is, I'm told, a nervous condition brought about by being a former associate of convicted junk bond king Michael Milken — and the ensuing uncertainty as to whether or not your name is on the "list" which he was reportedly given to the US authorities. Most Wall Streeters didn't expect Milken's co-operation with the Feds to begin until after he had been sentenced in October, but informed reports now indicate that he has been spilling the beans to them for two or more months, thereby reducing his own 98 charges of securities fraud and racketeering to just six. Milken's six charges carry a maximum sentence of five years in an open prison and \$600 million fine, but any such jail term is, by way of questionable consolation, likely to be spent in the company of friends. For, according to one source, Milken has already supplied enough information to justify federal investigations into a whole new set of share manipulators.

Carol Leonard

PHILIPS

has

# PHILIPS

## HAS

WITH A COMPLETELY NEW GENERATION OF DICTATION EQUIPMENT.

Discover the hot news about Philips NEW Dictation Systems. Fill in the coupon or call 0289 573115

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Postcode: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

PHILIPS DICTATION SYSTEMS

Electra House, Bognor Road, Chichester, West Sussex, PO19 1RE

(Out of office hours call 0289 56251)

PHILIPS DICTATION SYSTEMS. SIMPLY A BETTER WAY OF WORKING.

PHILIPS

## STOCK MARKET

# Index rides crest of a wave to surge through 2,200 points

TWO waves of excitement from across the Atlantic sent shares in London strongly higher.

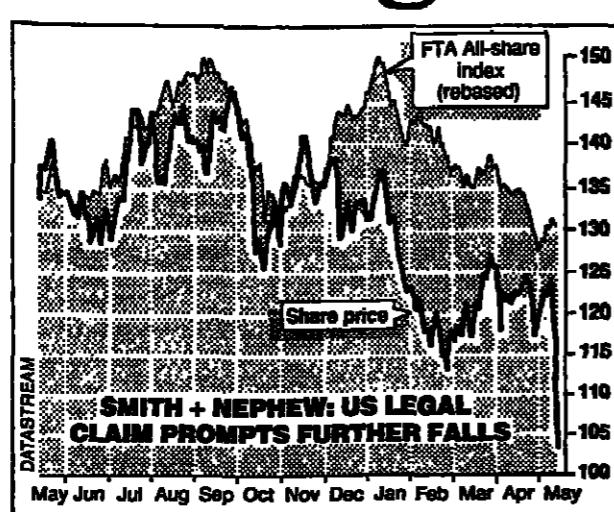
Dealers returning from the weekend break had their first chance to respond to Friday's 63-point rise on Wall Street. With yesterday's trading in Tokyo almost matching Wall Street's Friday gain, London had only one way to go - up.

The FT-SE index opened 28 points higher, breaking through the 2,200 level and stayed there as the market ignored figures showing that retail sales had grown by 1 per cent in April. But, just as the rally seemed to be running out of steam, Wall Street opened higher again.

A late surge saw the FT-SE 100 index moving strongly ahead again to close 38.6 points up at 2,214.5. The FT 30 closed 24.7 points up at 1,673.5.

With the factors behind the rally international in nature rather than domestic, it was the leading international companies which were the main beneficiaries.

A strong futures index was given much of the credit for the buoyancy of the market. Since the local authority elections on May 3, the FT-SE has put on almost 80 points and market-makers are now looking to cover positions. The June FT-SE 100 index future was trading at about 2,250 - a healthy premium to the real index. Actual buying remained light with dealing



Robinson: US damages

are looking for between £200 million and £210 million when the company reports this year. Ratners rose 4p to 223p.

Followers of Mr Asil Nadir's Polly Peck International liked the look of a deal that saw the group recover £141.5 million of the £557 million it spent on acquiring Del Monte's fresh fruit operations. Nine refrigerated cargo ships are being sold to a consortium of Norwegian companies. Polly Peck's shares rose 13p to 419p.

Eurotunnel's shares shed 25p to 530p on confirmation that it would be issuing up to 392 million shares before the end of the year as part of its £2.5 billion restructuring plan.

The warrants slipped 2p to 36p. BT, where the Prudential now owns 4 per cent, rose 10p to 397p.

In the construction and property sectors, it was also a day for shrugging off bad news. News that both Federated Housing, suspended at 5p, and Stanley Miller, suspended at 20p, had been forced into receivership may well have started another round of price mark-downs.

In the event it did not, an indication of just how far both sectors have fallen already. Among the housebuilders, Berkeley Group stood out again with another 7p rise to 160p. The increase means the shares have now put on 14p in two trading days.

Matthew Bond

Brokers are reluctant to put the company back on the buy list until the full extent of the damage is known, but Smith & Nephew's wide range of healthcare brand names should soon start

shares in Laura Ashley, the retailer, were back in vogue yesterday, rising 5p to 62p. The rise reflected indications by Sir Bernard Ashley, the chairman, who controls 70 per cent of the ordinary capital, that he might be receptive to a joint venture or even a takeover.

Although the company believes that the Californian court's finding represents a gross miscarriage of justice, Mr Eric Kinder, the new chairman, and Mr John Robinson, the chief executive,

to underpin the price.

Mr Kinder said:

"We are not prepared to

put on 4p to 2024p on the news that pre-tax profits in the year to March had grown by more than 14 per cent to £604.2 million, encouragingly ahead of expectations of between £590 million and £595 million.

Body Shop rose 16p to 460p, while Burton, a strong market on Friday, gained a further 3p to 165p. Analysts

Holmes up to £3.6m at half time

By Jeremy Andrews

HOLMES & Marchant, the acquisitive design consultant which recently considered - and abandoned - bids for Charles Barker and Addison Consultancy, has turned in pre-tax profits 14 per cent higher at £3.64 million for the six months to end-February.

Holmes made only two acquisitions in the last 20 months and turnover rose by just 3 per cent to £30.7 million.

On the design side, profits

rose by a fifth, while sales promotion activities chipped in 10 per cent more when adjusted for the disposal of the US subsidiary in March.

Earnings per share rose by 8 per cent to 13.7p, slowed by a 4 per cent rise in the issued equity, and the interim dividend is to increase by 10 per cent to 3.3p. The shares rose 5p to 169p.

Acquisitions help TMD rise 58% to interim £1.7m

By Philip Pangalos

PRE-TAX profits at TMD Advertising Holdings, the media planning and buying group, rose 58 per cent to £1.74 million in the six months to end-February.

Mr David Reich, the chairman, said about 70 per cent of the improvement in profits was due to acquisitions with the remainder organic.

Group turnover was up by 43 per cent at £94.5 million. Earnings per share rose 20 per cent to 12.5p, and the interim dividend is improved to 1.8p.

Mr Reich said the company's performance serves to underline the growing strength of the media advertising market. He said it is especially

meaningful when viewed against the background of an unstable British economy.

Mr Reich added that the continued strength of the group's largest company, TMD Advertising, which had a good first six months, had been backed up by some exciting contributions from the other four companies in the group.

Mr Reich concluded that the company is "benefiting from the downturn in the economy as more and more advertisers are attracted by the value for money performance the group's companies can offer."

The shares eased 7p to 281p.

## WORLD MARKETS

## Nikkei surges ahead again

From Joe Joseph, Tokyo

SPURRED by the strengthening yen and a growing feeling among both brokers and investors that the worst is probably over for the Japanese stock market, Tokyo share prices climbed sharply once

again.

In

the

event

it

did

not

have

to

worry

about

losing

money

on

the

exchange

rate.

More

and

more

brokers'

analysts

have

switched

from

being

bearish

about

the

Nikkei.

But having slumped swiftly at the beginning of the year, some feel that the market is now rebounding too quickly.

However, orders from investors who are ready to buy every time the market dips should continue to provide the market with a firm under tone.

## Blue chips in Sydney lifted by US rally

The Dow Jones Industrial average was up 6.75 points at 2,808.33 in early trading after briefly rising to 2,812.00.

(Reuters)

Profit-taking pulled blue chips back after the Dow average rose above its record closing level of 2,810.00.

(Reuters)

May 14 May 11 May 14 May 11 May 14 May 11

midday close midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday close midday close

May 14 May 11 May 14 May 11

midday



## THE TIMES UNIT TRUST INFORMATION SERVICE

**UNLISTED SECURITIES**

### INVESTMENT TRUSTS

## FOREIGN EXCHANGES

## FOREIGN EXCHANGES

**OTHER STERLING RATES**

Spot rates for May 14				Argentina austral* .....
Range	Close	1 month	3 month	Australia dollar .....
Yrk .....	1.6795-1.6840	1.6805-1.6815	1.01-0.99pr	2.78-2.76pr
trl .....	1.9717-1.9829	1.9737-1.9774	0.27-0.21pr	0.5305-0.5386
tdm .....	3.1012-3.1099	3.1030-3.1066	1%-1%pr	Brazil cruzado .....
seals .....	57.00-57.32	57.10-57.31	31-20pr	5%-4%pr
sign .....	10.5246-10.5685	10.5435-10.5685	4%-3%pr	Cyprus pound .....
on .....	1.0298-1.0335	1.0314-1.0324	37-32pr	Finland mark .....
kt .....	2.7587-2.7688	2.7653-2.7696	1%-1%pr	Greece drachma .....
on .....	244.43-245.49	244.43-245.41	13-cpr	Hong Kong dollar .....
ld .....	172.90-173.87	173.09-173.61	12-4pr	India rupee .....
.....	2028.84-2035.88	2032.14-2035.88	5-3pr	Indonesia rupiah .....
10.7441-10.7759	10.7474-10.7708	3%-3%pr	19%-8%pr	
9.2984-9.3256	9.3117-9.3256	4%-4%pr	11%-11%pr	
10.0894-10.1259	10.0946-10.1176	2%-2%pr	Malaysia ringgit .....	
256.88-257.79	256.78-257.10	1%-1%pr	Mexico peso .....	
na .....	19.41-19.45	19.42-19.45	11%-11%pr	New Zealand dollar .....
h .....	2.3461-2.3569	2.3477-2.3507	1%-1%pr	Saudi Arabia riyal .....
ium = pr. Discount = da.			3%-3%pr	Singapore dollar .....
				S Africa rand (fin) .....
				S Africa rand (com) .....
				U A E dirham .....

950	Switzerland	1.3965-1.3972
106	Netherlands	1.8485-1.8495
750	France	5.5300-5.5350

## MONEY MARKETS

● Ex dividend & Ex ad b Forecast dividend & Interim

exclude a special payment in Pre-merger figures  
cast earnings o Ex Other r Ex rights s Ex scrip  
e split t Tax-free .. No significant data.

| <b>THIRD MARKET</b>  
  |  | 6 min: 15%-15%* 8 min: 15%-15%* 12 min: 15%-15%*  |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|---
--|--|---|-----------------------|-------------------------|--------------|-------------------------------|--|------|--------------|--------|-------|----------------------------|-------------|--------|----------|--------------|-------------|-------------|---------|----------|--------|-------------|-------------|-----------|-------|-------|-------------|-------------|-------|------------------------------|---------|------------------------------|-------|-------|-------|-------------|------------------|--------|--------|-----------------------------|------|-------------------|-------|--|-------------------------|-------|-------------------|--------|--------|--------|--------|--|-----------------|--|--|--|------------------|-----------------|--|----------------------|--|----------------|-----------------|-----|------|-------------------------------|----------|----------------|-------|--------|-------|----------------------------|-------------------|-------|-------|-------|-----------------|-----------------|-------|-------|--|----------|----------------|--------|-------|---------------------------------|-------|-------|--------------|--------|--------|--------|-----|-------|-------|------------------------|-------------------------|--|-------|-------|--|------------------------------|--|--|---------|--|--|--------|--|---|-------|-------|------|--|--|--|--|--|--|--------|-------
--
---|-------|----------|--------------|----------|--------|-------|--------|--------|-------|---------------------|-------|--------|-------|--------|--------|------------------------------|-------|-------|-------|----------|-------|--------|-------|--------------|--------|--------|--------|-------------|-------|-------|-------|-------------------------|-------|--------|-------|-------------|-------|--------|--------|-----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|------|-------|----------|--------------|-------|--------|-----|--------|--------|-------|----------|--------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------|--------|--------|-----|-------|-------|--|-------------------------|--------|--------|--------|-----|-------|-------|--|-------------------------|-------|-------|-------|--|--|--|--|---------|--|--|--|--|--|--|--|-----|------|-------|----------|--------------|-------|--------|-----|--------|--------|-------|----------|--------------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------------|--------|--------|--------|-----|-------|-------|--|-------------------------|--------|--------|--------|-----|-------|-------|--|-------------------------|-------|-------|-------|--|--|--|--|---------|--|--|--|--|--|--|--|-----|------|-------|----------|--------------|-------|--------|-----|--------|--------|-------|----------|--------------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------------|--------|--------|--------|-----|-------|-------|--|-------------------------|--------|--------|--------|-----|-------|-------|--|-------------------------|-------|-------|-------
--	--	--	--	---------	--	--	--	--	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	-------	----------	--------------	-------	--------	--------	--------	--------	-------	-------	-------	-------	-------	--------	--------	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------	--	--	--	--	---------	--	--	--	--	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	-------	----------	--------------	-------	--------	--------	--------	--------	-------	-------	-------	-------	-------	--------	--------	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------	--	--	--	--	---------	--	--	--	--	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	-------	----------	--------------	-------	--------	--------	--------	--------	-------	-------	-------	-------	-------	--------	--------	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------	--	--	--	--	---------	--	--	--	--	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	-------	----------	--------------	-------	--------	--------	--------	--------	-------	-------	-------	-------	-------	--------	--------	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------	--	--	--	--	---------	--	--	--	--	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	-------	----------	--------------	-------	--------	--------	--------	--------	-------	-------	-------	-------	-------	--------	--------	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------
--	--	--	--	---------	--	--	--	--	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	-------	----------	--------------	-------	--------	--------	--------	--------	-------	-------	-------	-------	-------	--------	--------	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------	---	-----	------	-------	----------	--------------	-------	--------	--	--------	--------	--	-------	-------	-------	-----	-----	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	--	-------	-------	-------	-----	--------	--------	--	-------	-------	-------	-----	-------	-------	--	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------	--	--	--	--	---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	--	-------	-------	-------	-----	--------	--------	--	-------	-------	-------	-----	-------	-------	--	--------------	--------	--------	--------	-----	-------	-------	--	-------------------------	-------	-------	-------	--	--	--	--	---------	--	--	--	---	-----	------	-------	----------	--------------	-------	--------	-----	--------	--------	--	-------	-------	-------	-----	-----																																																																																									
  |  | Fixed Rate Starting Export Finance. Make-up day: April 30, 1990. Agreed rates May 26, 1990 to June 25, 1990. Scheme I: 15.94 per cent. Schemes II & III: 16.49 per cent. Reference rate March 31, 1990 to April 30, 1990. Scheme IV & V: 15.247 per cent. |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| 6 min: 15%-15%* 8 min: 15%-15%* 12 min: 15%-15%*   
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| American Eagles: \$375.00-380.00 (F223.00-226.00)<br>New Sovereign: \$88.50-88.50 (F51.50-53.00)<br>Old Sovereign: \$88.50-88.50 (F51.50-53.00)  
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <b>PRECIOUS METALS</b>   
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Platinum pm fix: \$485.75 (F288.70)<br>Palladium pm fix: \$119.00 (F70.75)<br>Spot Silver: \$5.08-5.10 (F3.020-3.035)  
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <b>LONDON FINANCIAL FUTURES</b>  
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th></th><th>Open</th><th>High</th><th>Low</th><th>Close</th><th>Vol</th><th></th><th>Open</th><th>High</th><th>Low</th><th>Close</th><th>Vol</th></tr> </thead> <tbody> <tr> <td>FT-SE 100</td><td></td><td></td><td></td><td></td><td></td><td>Previous open Interest 24075</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Jun 90</td><td>2240.0</td><td>2254.0</td><td>2232.0</td><td>2242.0</td><td>6217</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Sep 90</td><td>2276.0</td><td>2285.0</td><td>2278.0</td><td>2284.0</td><td>1054</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Three Month Sterling</td><td></td><td></td><td></td><td></td><td></td><td>Previous open interest 168821</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Jun 90</td><td>84.80</td><td>85.85</td><td>84.78</td><td>84.83</td><td>1955</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Sep 90</td><td>85.05</td><td>85.16</td><td>85.04</td><td>85.11</td><td>13059</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Three Month Eurodollar</td><td></td><td></td><td></td><td></td><td></td><td>Previous open Interest 35166</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Jun 90</td><td>91.60</td><td>91.82</td><td>91.59</td><td>91.59</td><td>1547</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Sep 90</td><td>91.55</td><td>91.56</td><td>91.53</td><td>91.54</td><td>1587</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Three Month Euro DM</td><td></td><td></td><td></td><td></td><td></td><td>Previous open Interest 71756</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Jun 90</td><td>91.63</td><td>91.66</td><td>91.63</td><td>91.65</td><td>3150</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Sep 90</td><td>91.28</td><td>91.33</td><td>91.22</td><td>91.30</td><td>7380</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            | Open        | High   | Low      | Close        | Vol         |             | Open    | High     | Low    | Close       | Vol         | FT-SE 100 |       |       |             |             |       | Previous open Interest 24075 |         |                              |       |       |       | Jun 90      | 2240.0           | 2254.0 | 2232.0 | 2242.0                      | 6217 |                   |       |  |                         |       |                   | Sep 90 | 2276.0 | 2285.0 | 2278.0 | 2284.0   | 1054            |  |  |  |                  |                 |  | Three Month Sterling |  |                |                 |     |      | Previous open interest 168821 |          |                |       |        |       | Jun 90                     | 84.80             | 85.85 | 84.78 | 84.83 | 1955            |                 |       |       |  |          |                | Sep 90 | 85.05 | 85.16                           | 85.04 | 85.11 | 13059        |        |        |        |     |       |       | Three Month Eurodollar |                         |  |       |       |  | Previous open Interest 35166 |  |  |         |  |  | Jun 90 | 91.60  | 91.82   | 91.59 | 91.59 | 1547 |  |  |  |  |  |  | Sep 90 | 91.55 | 91.56   
   
   | 91.53 | 91.54    | 1587         |          |        |       |        |        |       | Three Month Euro DM |       |        |       |        |        | Previous open Interest 71756 |       |       |       |          |       | Jun 90 | 91.63 | 91.66        | 91.63  | 91.65  | 3150   |             |       |       |       |                         |       | Sep 90 | 91.28 | 91.33       | 91.22 | 91.30  | 7380   |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Open   | High  | Low                   | Close                   | Vol          |                               | Open   | High | Low          | Close  | Vol   |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| FT-SE 100  
  |  |   |                       |                         |              | Previous open Interest 24075  |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun 90   
  | 2240.0   | 2254.0  | 2232.0                | 2242.0                  | 6217         |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Sep 90   
  | 2276.0   | 2285.0  | 2278.0                | 2284.0                  | 1054         |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Three Month Sterling   
  |  |   |                       |                         |              | Previous open interest 168821 |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun 90   
  | 84.80  | 85.85   | 84.78                 | 84.83                   | 1955         |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Sep 90   
  | 85.05  | 85.16   | 85.04                 | 85.11                   | 13059        |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Three Month Eurodollar   
  |  |   |                       |                         |              | Previous open Interest 35166  |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun 90   
  | 91.60  | 91.82   | 91.59                 | 91.59                   | 1547         |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Sep 90   
  | 91.55  | 91.56   | 91.53                 | 91.54                   | 1587         |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Three Month Euro DM  
  |  |   |                       |                         |              | Previous open Interest 71756  |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun 90   
  | 91.63  | 91.66   | 91.63                 | 91.65                   | 3150         |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Sep 90   
  | 91.28  | 91.33   | 91.22                 | 91.30                   | 7380         |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <b>COMMODITIES</b>   
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th></th><th>LONDON FOX</th><th></th><th>LONDON METAL EXCHANGE</th><th></th></tr> <tr> <th></th><th>Official prices/volume previous day<br/>(£/tonne)</th><th></th><th>Radoff Wolff</th><th></th></tr> </thead> <tbody> <tr> <td>COCOA</td><td>AMT Futures<br/>May 882-890</td><td>Mar 900-949</td><td>Cash</td><td></td></tr> <tr> <td></td><td>Jul 900-908</td><td>May 903-961</td><td>3 month</td><td></td></tr> <tr> <td></td><td>Sep 975-913</td><td>Jul 902-978</td><td>Vol</td><td></td></tr> <tr> <td></td><td>Dec 933-931</td><td>Vol 11983</td><td></td><td></td></tr> <tr> <td>GAS OIL</td><td>AMT Futures<br/>154.00-154.50</td><td></td><td></td><td></td></tr> <tr> <td></td><td>Jul 157.5-154.00</td><td></td><td></td><td></td></tr> <tr> <td></td><td>Aug 160.50-166.00</td><td></td><td></td><td></td></tr> <tr> <td></td><td>Sep 167.25-158.00</td><td></td><td></td><td></td></tr> <tr> <td></td><td>Oct 162.50 SLR</td><td>Mar 319.5-324.8</td><td></td><td></td></tr> <tr> <td></td><td>Nov 161.00-62.50</td><td>Aug 393.0-324.4</td><td></td><td></td></tr> <tr> <td></td><td>Dec 162.50 BID</td><td>Oct 330.5-304.0</td><td></td><td></td></tr> <tr> <td></td><td>Vol 3313</td><td>Dec 325.4-15.0</td><td></td><td></td></tr> <tr> <td>BRENT</td><td>AMT Futures<br/>18.02-18.03</td><td>Aug 312.4-0.0/9.0</td><td></td><td></td></tr> <tr> <td></td><td>Aug 18.08-18.07</td><td>Mar 319.5-324.8</td><td></td><td></td></tr> <tr> <td></td><td>Vol 8207</td><td>Aug 322.0-31.4</td><td></td><td></td></tr> <tr> <td colspan="12"><b>LONDON MEAT FUTURES (kg)</b></td></tr> <tr> <td colspan="12"><b>MEAT &amp; LIVESTOCK COMMISSION</b></td></tr> <tr> <td colspan="12">Live Pig Contract Av'rege fatstock prices at representative markets on May 14</td></tr> <tr> <td> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Pig</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>125.3</td><td>125.5</td><td></td><td>GB (p)</td><td>98.95</td><td>209.71</td><td>111.60</td></tr> <tr> <td>Aug</td><td>118.8</td><td>119.8</td><td></td><td>GB (+/-)</td><td>+4.06</td><td>+5.71</td><td>+1.61</td></tr> <tr> <td>Oct</td><td>120.5</td><td>119.8</td><td></td><td>Eng/Wel (p)</td><td>+26.7</td><td>+13.8</td><td>+1.14</td></tr> <tr> <td>Nov</td><td>119.5</td><td>119.5</td><td></td><td>Eng/Wel (p)</td><td>98.90</td><td>208.82</td><td>111.10</td></tr> <tr> <td colspan="12"><b>LIVE CATTLE CONTRACT</b></td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>116.5</td><td>115.5</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Dec</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle
(+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117</td></tr></tbody></table></td></tr></tbody></table></td></tr></tbody></table> |  | LONDON FOX  |                       | LONDON METAL EXCHANGE   |              |                               | Official prices/volume previous day<br>(£/tonne) |      | Radoff Wolff |        | COCOA | AMT Futures<br>May 882-890 | Mar 900-949 | Cash   |          |              | Jul 900-908 | May 903-961 | 3 month |          |        | Sep 975-913 | Jul 902-978 | Vol       |       |       | Dec 933-931 | Vol 11983   |       |                              | GAS OIL | AMT Futures<br>154.00-154.50 |       |       |       |             | Jul 157.5-154.00 |        |        |                             |      | Aug 160.50-166.00 |       |  |                         |       | Sep 167.25-158.00 |        |        |        |        | Oct 162.50 SLR   | Mar 319.5-324.8 |  |  |  | Nov 161.00-62.50 | Aug 393.0-324.4 |  |                      |  | Dec 162.50 BID | Oct 330.5-304.0 |     |      |                               | Vol 3313 | Dec 325.4-15.0 |       |        | BRENT | AMT Futures<br>18.02-18.03 | Aug 312.4-0.0/9.0 |       |       |       | Aug 18.08-18.07 | Mar 319.5-324.8 |       |       |  | Vol 8207 | Aug 322.0-31.4 |        |       | <b>LONDON MEAT FUTURES (kg)</b> |       |       |              |        |        |        |     |       |       |                        |                         | <b>MEAT &amp; LIVESTOCK COMMISSION</b> |       |       |  |                              |  |  |         |  |  |        |  | Live Pig Contract Av'rege fatstock prices at representative markets on May 14 |       |       |      |  |  |  |  |  |  |        |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Pig</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>125.3</td><td>125.5</td><td></td><td>GB (p)</td><td>98.95</td><td>209.71</td><td>111.60</td></tr> <tr> <td>Aug</td><td>118.8</td><td>119.8</td><td></td><td>GB (+/-)</td><td>+4.06</td><td>+5.71</td><td>+1.61</td></tr> <tr> <td>Oct</td><td>120.5</td><td>119.8</td><td></td><td>Eng/Wel (p)</td><td>+26.7</td><td>+13.8</td><td>+1.14</td></tr> <tr> <td>Nov</td><td>119.5</td><td>119.5</td><td></td><td>Eng/Wel (p)</td><td>98.90</td><td>208.82</td><td>111.10</td></tr> <tr> <td colspan="12"><b>LIVE CATTLE CONTRACT</b></td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>116.5</td><td>115.5</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Dec</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table
border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr>
<td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117</td></tr></tbody></table></td></tr></tbody></table> | Mth   | Open     | Close        | (kg/ton) | Pig    | Sheep | Cattle | Jun    | 125.3 | 125.5               |       | GB (p) | 98.95 | 209.71 | 111.60 | Aug                          | 118.8 | 119.8 |       | GB (+/-) | +4.06 | +5.71  | +1.61 | Oct          | 120.5  | 119.8  |        | Eng/Wel (p) | +26.7 | +13.8 | +1.14 | Nov                     | 119.5 | 119.5  |       | Eng/Wel (p) | 98.90 | 208.82 | 111.10 | <b>LIVE CATTLE CONTRACT</b> |  |  |  |  |  |  |  |  |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>116.5</td><td>115.5</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Dec</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | Jun    | 116.5  | 115.5 |       | +4.27 | +5.88 | +1.66 | Aug   | 118.0 | 118.0 |              | -25.4  | +23.0  | +25.8  | Oct | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Dec | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct |
118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |   
  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |     |      |       |          |              |       |        |     | Mth    | Open   | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May    | 120.50 | 120.50 |       | +4.27 | +5.88 | +1.66 | Jun   | 117.77 | 117.77 |              | -25.4  | +23.0  | +25.8  | Aug | 118.0 | 118.0 |  | Scotland (p)            | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |   |     |      |       | + Flock  |              |       |        | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr>
<td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |        |        |  |       |       |       |     |     |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |  | +4.27 | +5.88 | +1.66 | Jun | 117.77 | 117.77 |  | -25.4 | +23.0 | +25.8 | Aug | 118.0 | 118.0 |  | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |  |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |  | +4.27 | +5.88 | +1.66 | Jun | 117.77 | 117.77 |  | -25.4 | +23.0 | +25.8 | Aug | 118.0 | 118.0 |  | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39 | +3.02 |  |  |  |  | + Flock |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117</td></tr></tbody></table> | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |  | +4.27 | +5.88 | +1.66 | Jun | 117 |
|  
  | LONDON FOX                                       |   | LONDON METAL EXCHANGE |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Official prices/volume previous day<br>(£/tonne) |   | Radoff Wolff          |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| COCOA  
  | AMT Futures<br>May 882-890                       | Mar 900-949   | Cash                  |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Jul 900-908                                      | May 903-961   | 3 month               |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Sep 975-913                                      | Jul 902-978   | Vol                   |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Dec 933-931                                      | Vol 11983   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| GAS OIL  
  | AMT Futures<br>154.00-154.50                     |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Jul 157.5-154.00                                 |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Aug 160.50-166.00                                |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Sep 167.25-158.00                                |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Oct 162.50 SLR                                   | Mar 319.5-324.8   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Nov 161.00-62.50                                 | Aug 393.0-324.4   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Dec 162.50 BID                                   | Oct 330.5-304.0   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Vol 3313   | Dec 325.4-15.0  |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| BRENT  
  | AMT Futures<br>18.02-18.03                       | Aug 312.4-0.0/9.0   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Aug 18.08-18.07                                  | Mar 319.5-324.8   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  | Vol 8207   | Aug 322.0-31.4  |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <b>LONDON MEAT FUTURES (kg)</b>  
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <b>MEAT &amp; LIVESTOCK COMMISSION</b>   
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Live Pig Contract Av'rege fatstock prices at representative markets on May 14  
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Pig</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>125.3</td><td>125.5</td><td></td><td>GB (p)</td><td>98.95</td><td>209.71</td><td>111.60</td></tr> <tr> <td>Aug</td><td>118.8</td><td>119.8</td><td></td><td>GB (+/-)</td><td>+4.06</td><td>+5.71</td><td>+1.61</td></tr> <tr> <td>Oct</td><td>120.5</td><td>119.8</td><td></td><td>Eng/Wel (p)</td><td>+26.7</td><td>+13.8</td><td>+1.14</td></tr> <tr> <td>Nov</td><td>119.5</td><td>119.5</td><td></td><td>Eng/Wel (p)</td><td>98.90</td><td>208.82</td><td>111.10</td></tr> <tr> <td colspan="12"><b>LIVE CATTLE CONTRACT</b></td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>116.5</td><td>115.5</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Dec</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead>
<tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td colspan="12"> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> </td></tr> <tr> <td> <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117</td></tr></tbody></table></td></tr></tbody></table>   | Mth  | Open  | Close                 | (kg/ton)                | Pig          | Sheep                         | Cattle   | Jun  | 125.3        | 125.5  |       | GB (p)                     | 98.95       | 209.71 | 111.60   | Aug          | 118.8       | 119.8       |         | GB (+/-) | +4.06  | +5.71       | +1.61       | Oct       | 120.5 | 119.8 |             | Eng/Wel (p) | +26.7 | +13.8                        | +1.14   | Nov                          | 119.5 | 119.5 |       | Eng/Wel (p) | 98.90            | 208.82 | 111.10 | <b>LIVE CATTLE CONTRACT</b> |      |                   |       |  |                         |       |                   |        |        |        |        | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>116.5</td><td>115.5</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Dec</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |                 |  |  |  |                  |                 |  |                      |  |                |                 | Mth | Open | Close                         | (kg/ton) | Scotland (%)   | Sheep | Cattle | Jun   | 116.5                      | 115.5             |       | +4.27 | +5.88 | +1.66           | Aug             | 118.0 | 118.0 |  | -25.4    | +23.0          | +25.8  | Oct   | 118.0                           | 118.0 |       | Scotland (p) | 103.08 | 222.74 | 115.48 | Dec | 118.0 | 118.0 |                        | Met Pin-53 Cattle (+/-) | +1.52                                  | +4.39 | +3.02 |  |                              |  |  | + Flock |  |  |        | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |   |       |       |      |  |  |  |  |  |  |        | Mth   | Open  
   
   | Close | (kg/ton) | Scotland (%) | Sheep    | Cattle | May   | 120.50 | 120.50 |       | +4.27               | +5.88 | +1.66  | Jun   | 117.77 | 117.77 |                              | -25.4 | +23.0 | +25.8 | Aug      | 118.0 | 118.0  |       | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct         | 118.0 | 118.0 |       | Met Pin-53 Cattle (+/-) | +1.52 | +4.39  | +3.02 |             |       |        |        | + Flock                     |  |  |  | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |  |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |       | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0 |       | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |      
|  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr>
<td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table> |  |  |  |         |  |  |  |  |  |  |  | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May | 120.50 | 120.50 |       | +4.27    | +5.88        | +1.66 | Jun    | 117.77 | 117.77 |        | -25.4 | +23.0 | +25.8 | Aug   | 118.0 | 118.0  |        | Scotland (p) | 103.08 | 222.74 | 115.48 | Oct | 118.0 | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52  | +4.39  | +3.02  |     |       |       |  | + Flock                 |       |       |       | <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117</td></tr></tbody></table> | Mth | Open | Close | (kg/ton) | Scotland (%) | Sheep | Cattle | May  
   | 120.50 | 120.50 |  | +4.27 | +5.88 | +1.66 | Jun | 117 |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Pig                     | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 125.3  | 125.5   |                       | GB (p)                  | 98.95        | 209.71                        | 111.60   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.8  | 119.8   |                       | GB (+/-)                | +4.06        | +5.71                         | +1.61  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 120.5  | 119.8   |                       | Eng/Wel (p)             | +26.7        | +13.8                         | +1.14  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Nov  
  | 119.5  | 119.5   |                       | Eng/Wel (p)             | 98.90        | 208.82                        | 111.10   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <b>LIVE CATTLE CONTRACT</b>  
  |  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>Jun</td><td>116.5</td><td>115.5</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Dec</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | Jun     | 116.5    | 115.5  |             | +4.27       | +5.88     | +1.66 | Aug   | 118.0       | 118.0       |       | -25.4                        | +23.0   | +25.8                        | Oct   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Dec  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 116.5  | 115.5   |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Dec  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117.77</td><td>117.77</td><td></td><td>-25.4</td><td>+23.0</td><td>+25.8</td></tr> <tr> <td>Aug</td><td>118.0</td><td>118.0</td><td></td><td>Scotland (p)</td><td>103.08</td><td>222.74</td><td>115.48</td></tr> <tr> <td>Oct</td><td>118.0</td><td>118.0</td><td></td><td>Met Pin-53 Cattle (+/-)</td><td>+1.52</td><td>+4.39</td><td>+3.02</td></tr> <tr> <td></td><td></td><td></td><td></td><td>+ Flock</td><td></td><td></td><td></td></tr> </tbody> </table>   
  |  |   |                       |                         |              |                               |  |      |              |        |       | Mth                        | Open        | Close  | (kg/ton) | Scotland (%) | Sheep       | Cattle      | May     | 120.50   | 120.50 |             | +4.27       | +5.88     | +1.66 | Jun   | 117.77      | 117.77      |       | -25.4                        | +23.0   | +25.8                        | Aug   | 118.0 | 118.0 |             | Scotland (p)     | 103.08 | 222.74 | 115.48                      | Oct  | 118.0             | 118.0 |  | Met Pin-53 Cattle (+/-) | +1.52 | +4.39             | +3.02  |        |        |        |  | + Flock         |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117.77   | 117.77  |                       | -25.4                   | +23.0        | +25.8                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Aug  
  | 118.0  | 118.0   |                       | Scotland (p)            | 103.08       | 222.74                        | 115.48   |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Oct  
  | 118.0  | 118.0   |                       | Met Pin-53 Cattle (+/-) | +1.52        | +4.39                         | +3.02  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
|  
  |  |   |                       | + Flock                 |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| <table border="1"> <thead> <tr> <th>Mth</th><th>Open</th><th>Close</th><th>(kg/ton)</th><th>Scotland (%)</th><th>Sheep</th><th>Cattle</th></tr> </thead> <tbody> <tr> <td>May</td><td>120.50</td><td>120.50</td><td></td><td>+4.27</td><td>+5.88</td><td>+1.66</td></tr> <tr> <td>Jun</td><td>117</td></tr></tbody></table>  
  | Mth  | Open  | Close                 | (kg/ton)                | Scotland (%) | Sheep                         | Cattle   | May  | 120.50       | 120.50 |       | +4.27                      | +5.88       | +1.66  | Jun      | 117          |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Mth  
  | Open   | Close   | (kg/ton)              | Scotland (%)            | Sheep        | Cattle                        |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| May  
  | 120.50   | 120.50  |                       | +4.27                   | +5.88        | +1.66                         |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |
| Jun  
  | 117  |   |                       |                         |              |                               |  |      |              |        |       |                            |             |        |          |              |             |             |         |          |        |             |             |           |       |       |             |             |       |                              |         |                              |       |       |       |             |                  |        |        |                             |      |                   |       |  |                         |       |                   |        |        |        |        |  |                 |  |  |  |                  |                 |  |                      |  |                |                 |     |      |                               |          |                |       |        |       |                            |                   |       |       |       |                 |                 |       |       |  |          |                |        |       |                                 |       |       |              |        |        |        |     |       |       |                        |                         |  |       |       |  |                              |  |  |         |  |  |        |  |   |       |       |      |  |  |  |  |  |  |        |       |   
   
   |       |          |              |          |        |       |        |        |       |                     |       |        |       |        |        |                              |       |       |       |          |       |        |       |              |        |        |        |             |       |       |       |                         |       |        |       |             |       |        |        |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |       |       |       |       |       |       |       |       |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       | | | | | | | | | | | | | | | | | | | | | | | | | | |
                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   
  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |       |          |              |       |        |        |        |        |       |       |       |       |       |        |        |              |        |        |        |     |       |       |  |                         |        |        |        |     |       |       |  |                         |       |       |       |   |     |      |       |          |              |       |        |   
  |        |        |  |       |       |       |     |     |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |        |        |  |       |       |       |     |       |       |  |              |        |        |        |     |       |       |  |                         |       |       |       |  |  |  |  |         |  |  |  |   |     |      |       |          |              |       |        |     |        |        |  |       |       |       |     |     |

## COMMODITIES

LONDON FOX		LONDON METAL EXCHANGE					
COCOA	AMT Futures	Official prices/volume previous day (£/tonne)	Cash	3 month	Vol	Tone	Rudolf Wolff
May 882-890	Mar 860-849						
Jul 900-909	May 863-861						
Sep 975-913	Jul 982-978						
Dec 933-931	Vol 11983	Copper Gde A	1690.0-1695.0	1527.0-1528.0	725850	Irregular	
COPFEE	AMT Futures	Lead	495.00-496.00	490.00-491.00	66825	Easier	
May 698-705	Jan 673-671	Zinc Spec HI*	1810.0-1815.0	1715.0-1720.0	165475	Steady	
Jul 625 LT	Mar 695-683	Tin*	6480-6490	6585-6605	5325	Very Sticky	
Sep 643 LT	May 704-696	Aluminium HI*	1532.0-1534.0	1554.0-1556.0	379550	Steady	
Nov 659-657	Vol 330	Nickel*	8625-8650	8675-8700	10350	Easier	
SUGAR	C Commodity FOB	T (Cents per Troy oz.)	• (\$ per tonne)				
Aug 333.0-32.4	Mar 315.8-12.8						
Oct 330.6-30.4	May 312.4-11.0						
Dec 325.4-15.0	Aug 311.4-0.0						
LONDON GRAIN FUTURES		LONDON MEAT FUTURES (kg)					
WHEAT close (2/7)	Vol 247	MEAT & LIVESTOCK COMMISSION					
My 120.96	Sp 121.95	Live Pig Contract	Av'ge fatstock prices at representative				
Jn 117.77	Ja 121.00	Mth Open Close	markets on May 14				
My 105.25	Sp 112.56	(kg/ton)					
Ja 119.90	Mr 122.65	GB (p)	Pig	Sheep	Cattle		
Jun 115.5	Oct 123.25-24.5	GB (+/-)	98.95	209.71	111.60		
Aug 118.0	Oct 123.25-24.5	Eng/Wal (p)	+4.06	+5.71	+1.61		
Oct 119.5	Oct 123.25-24.5	Eng/Wal (+/-)	+26.7	+13.8	-11.4		
Ja 115.5	Mr 122.65	Eng/Wal (p)	98.90	208.82	111.10		
Jun 115.5	Oct 123.25-24.5	Eng/Wal (+/-)	+4.27	+5.68	+1.86		
Aug 118.0	Oct 123.25-24.5	Scotland (p)	-25.4	+29.0	-25.8		
Oct 118.0	Oct 123.25-24.5	Scotland (+/-)	100.08	222.74	115.48		
Vol Ptn-53 Cattle-0		• Eng/Wal	+1.52	+4.38	+3.02		

HEATHROW: TERMINAL 3

FOCUS

A SPECIAL REPORT

# Polishing the gateway to Britain

Millions have passed through the original 1962 Heathrow building. Refurbishment has transformed Terminal 3, writes Harvey Elliott, Air Correspondent

The first sight of Britain for tens of millions of air passengers arriving from every continent over the past 28 years has been Heathrow's Terminal 3, the building at the heart of the world's premier airport.

But so many people passed through since the original, Oceanic, building opened in 1962, that it became jaded and over-crowded. If first, or even last, impressions of Britain were to be of the best, the terminal needed a major face-lift, it was decided.

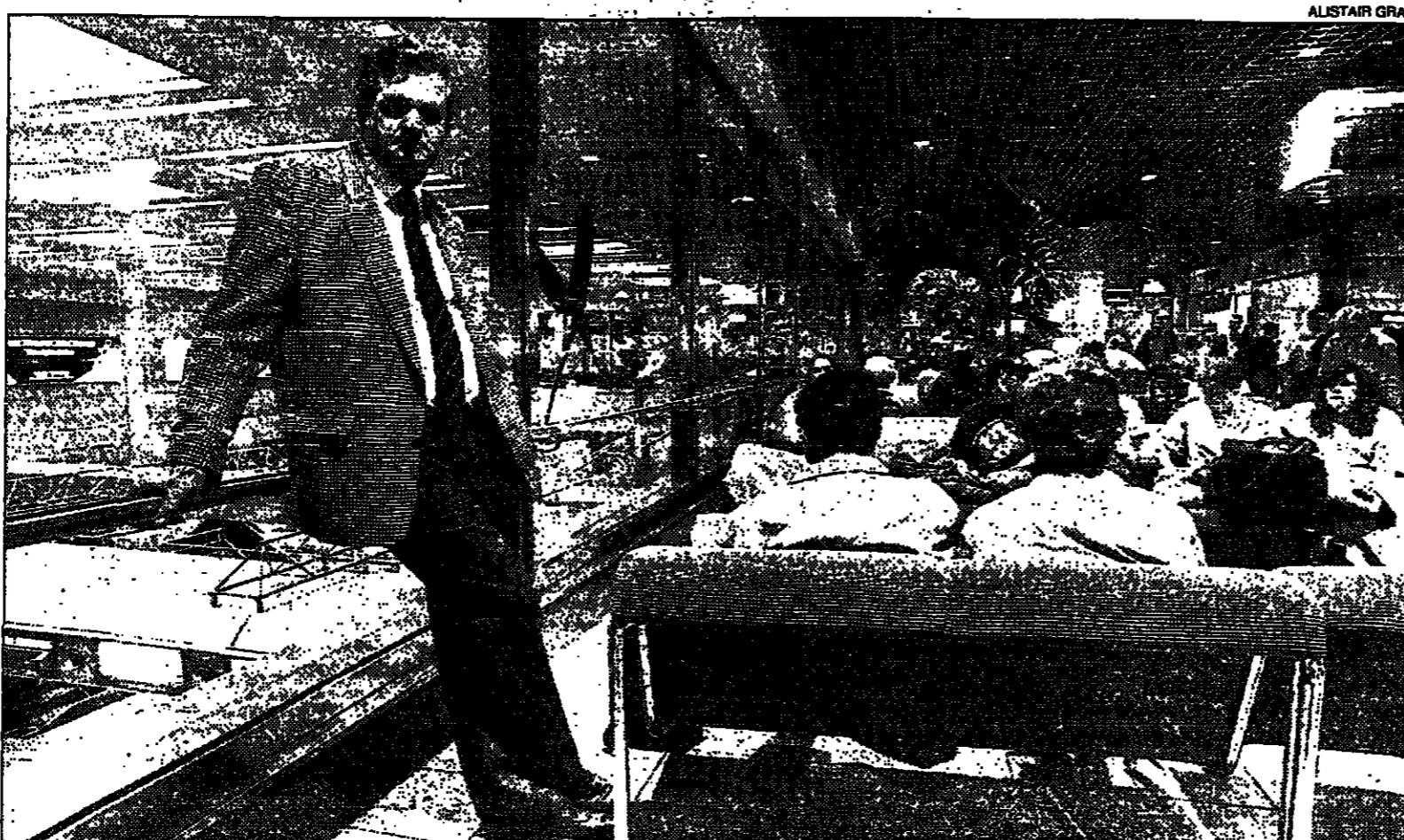
So BAA (the British Airports Authority before privatization) invested £110 million in a refurbishment programme, which has now reached fruition and which should ensure that Terminal 3 remains a leading gateway to Britain and the world into the next century.

Terminal 3's part in the development of Heathrow did not begin until 33 years after Heathrow (originally known as the Great West Aerodrome) was opened for experimental flying. It remained a comparatively small airport until the Second World War, when the Air Ministry decided that an airfield with long runways to accommodate heavy bombers was needed close to London.

Work began in 1944 on a triangular pattern of runways. But the war had ended before it could be put to its intended military use, and a new civilian application had to be found.

Those early airport planners hit on the concept of a runway pattern similar in design to a Star of David, one of the most successful and efficient ever devised, and the one which is still used. The first runway was completed by the end of 1945 and on January 1, 1946, a British South American Airways Lancaster — a converted Lancaster bomber — took off on a proving flight to Buenos Aires.

Heathrow, or London airport as it was first known, was formally opened on May 31, 1946, with tents and temporary



I'm leaving on a jet plane: countless travellers since 1962 have probably sung that lyric to themselves while waiting in Terminal 3's boarding lounge

terminal accommodation for the handful of passengers embarking on what was then a major adventure.

The permanent buildings which would eventually grow into the complex which we now know as Heathrow began in 1950 with a new control tower, a short-haul passenger building, which is now Terminal 2, and an administration block, the Queen's Building, for all the ancillary services.

When Northolt Airport, a few miles to the north, closed for general passenger work in 1954, the number of flights from Heathrow doubled, and by 1957 it was obvious that a big expansion of the central areas would be needed.

It was decided that a second short-haul terminal and a long-haul terminal should be built, along with a new cargo building. The layout was centred around the then revolutionary pier idea, with fingers radiating outward from a central gate. The second short-haul terminal was opened in 1969 — six years after the long-haul terminal, called Terminal 3.

At about the same time, it was planned to link Heathrow into the overall transport system of London by building the M4 motorway and extending the London Underground

from Hounslow West to the terminals by means of a 3.5 mile tunnel. After six years' work, this was opened in December 1977.

All these developments could still not keep up with the ever-expanding demand, however, and in December 1979 the Government gave approval for work to begin on Terminal 4, which would increase the

number of passengers the airport could handle by eight million a year, and bring the airport's overall capacity to 40 million a year.

Now it appears that even that is unlikely to be sufficient, and yet another terminal — Terminal 5 — is being considered. Once further improvements to the road and rail access have received the go

ahead, and it has been decided how the enormous costs involved in removing the sewage farm on the site are to be met, a planning application is likely to be submitted by the airport's owners, BAA plc.

Throughout all these extensions, Terminal 3 also underwent some important changes. From the moment it was opened as the Oceanic Build-

ing in 1962 it catered for long-haul flights, but both arriving and departing passengers had to use the same building. Four years after it opened, it was obvious that far more space had to be created if passengers were to be handled safely and efficiently. It was also clear that Heathrow would be handling more Boeing 747 jumbo jets than any other airport in Europe and so, when Oceanic was renamed Terminal 3 in 1968, a new development programme was started.

A new building was added to deal with arrivals, leaving the original terminal solely for departing passengers. New aircraft taxways were built and an extra 30 acres of aircraft parking stands were added for wide-bodied jets.

Now, after four years' intensive work, another phase in the constantly changing evolution of Heathrow has been completed. Once the last lick of paint has been applied and the terminal is in full use, up to 3,000 departing passengers and 3,200 arrivals an hour will be handled.

The latest technology has been installed and the whole building has been increased in size to make it the pride of Heathrow and a giant welcome mat for Britain.

It was business as usual during the work

## On a wing and a prayer

ALTERATIONS as usual during business was the motto of Terminal 3 throughout its four-year refurbishing, during which 28 million passengers used the building.

According to Heathrow Airport Ltd (HAL), Terminal 3 was the only airport building of its size in the world to remain operational while undergoing such change.

Just how far forbearance was stretched on occasions was seen by Peta Wright, who is manager of Terminal 3 for Heathrow Airport Ltd and whose association with the terminal goes back 13 years.

"It was by far the largest project we have undertaken," she said. "It was obvious that we needed to involve everybody in the planning stages from the start, because they were all going to be deeply affected by the work." Demolition of the outmoded facilities and refurbishing activities continued throughout the day behind boardings, but when a completed section was ready to be commissioned, and the next section due to be worked on was to be boarded up, the work went on through the night, and involved what Ms Wright called "superhuman" efforts by the

workers, inevitably, problems of noise, paint smells, and dust. Heathrow Airport Ltd invited trade union representatives to see the working areas so that they could appreciate the size of the undertaking.

"When we reached the last piece of the original terminal which was to be refurbished, we let the staff of the airlines which use the terminal into the area behind the hoardings and allowed them to demolish it," Ms Wright said. "They had a wonderful time breaking up the check-in desks and all the other fixtures and fittings, getting rid of their frustrations."

The last item in the programme was the refurbishment of the piers, down which passengers walk to the aircraft, and which were outmoded in design compared with the sparkling finishes of the re-worked terminal building.

The official opening date was a final spur and the programme went into high gear. The last potted plant was eased into place, the spotlights which highlight the plants focused, and remaining specks of builders' dust flicked away, just a few hours before the Government ministerial party was due to sweep up to the new-look terminal for the initiation ceremonies.

Arthur Reed



Tent town: the terminal's temporary accommodation and services during May, 1946

## Hello, welcome, and clearly a farewell to confusion

Designers put an end to the baggage nightmare and cure 'sign blindness' with a simple route through immigration control and Customs

Arriving at a foreign airport can be a confusing experience, even for the most hardened traveller. So when D.Y. Davies Associates and Fitch RS were asked, in 1984, to redesign the interior of Terminal 3, they were determined to make the arrivals building light, airy and attractive, while making direction signs particularly clear and easily understood.

The number of signs was drastically reduced to overcome a phenomenon known as "sign blindness", which can strike when passengers are confronted by dozens of different instruction (Harvey Elliott writes).

Logic was important in enabling the passengers to follow an easy route through Immigration and Customs and to find their way to car hire desks, buses, taxis and the underground station.

The whole building, however, had first to be extended by 66 per cent from the original area of 7,470sq metres to 12,330sq metres. This involved a complex operation to ensure that all users were not inconvenienced while walls were knocked down, foundations laid, old desks and other equipment removed and replaced with the latest available machinery.

Overseeing the whole operation were BAA's planning and engineering departments working with the Heathrow Terminal 3 project team, the management team and a range of contractors and sub-contractors.

It was the largest project undertaken by BAA and taxed everyone to the limits of their ingenuity and skill.

The new arrivals area includes a completely refitted baggage reclaim hall incorporating 11, rather than the original seven, new and larger reclaim units designed to make spotting and catching a particular case simple. Each slow-moving baggage "finger" is clearly marked with a large black-on-yellow number enabling passengers to identify the particular carousel containing their bags.

Because the area is one which passengers want to pass through as quickly as possible, it was decided to colour it largely white — bright, clean and clearly laid out for ease of

use. Finishes to the surfaces were chosen to be hard wearing so that bags or trolleys cause as little damage as possible to the walls or floors.

The baggage-handling crews were also considered in the design with a new weather-protected canopy to enable them to move the baggage containers from the aircraft to the reclaim areas with as little exposure to the elements possible.

There is also a well-marked information desk and the all important transfer desk, to enable passengers to switch flights from one airline to another efficiently. Passengers can also book a hotel room here.

In the Immigration Hall there are now 50 desks, to prevent the bottlenecks which can so easily occur when a number of large aircraft arrive at once.

Some passengers arriving from parts of the world where potentially contagious diseases are prevalent have to be medically examined before they can be allowed into the country, and a specially equipped medical centre has been created where doctors can make their tests and diagnoses.

Once through Customs, it

was reasoned, passengers no longer wanted the sleek efficiency of the baggage hall but a more restful area in which they could plan the next phase of their journey.

Now the redeveloped course, complete with space for the meeters and greeters to stand, has soft textures and colours to encourage passengers to stop in the 250-seater, self-service restaurant, which is open 24 hours a day, or to choose which car company they wish to rent from.

There is also a well-marked information desk and the all important transfer desk, to enable passengers to switch flights from one airline to another efficiently. Passengers can also book a hotel room here.

The disabled have been catered for throughout, with wheelchair ramps and wide access points making progress simple and easy. They have also been provided with sophisticated toilet facilities, and the environment of the whole area is automatically controlled through a new heating and ventilation system developed by Donald Smith, Seymour and Rooley. At last, after four years of intensive effort, arriving in Britain through Heathrow's Terminal 3 should prove trouble-free.



Warm welcome: passengers arriving at Heathrow, where there is a completely refitted baggage reclaim hall



more leg room and reclines further than ever before.

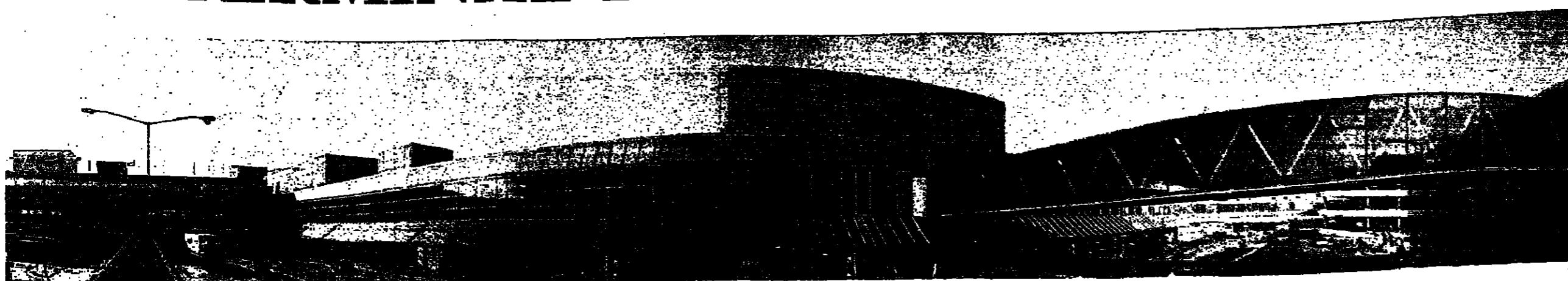
With a 2-3-2 seating arrangement you'll notice there's one fifth more space in the cabin overall.

Together with some unique little touches — a new menu of European and Japanese dishes, newly designed china, and real glassware — it all adds up to a world of difference.

JAL  
Japan Airlines

ever, the aided at a with QC, that 'con- to enter- tend- the Soci- coups Bill vern- or- in the tation, the legal was that s De- ter, ed to not legal id is said. — ne ire sup

# TERMINAL THREE...REBORN



## MORE STYLE



## MORE CHECK-INS



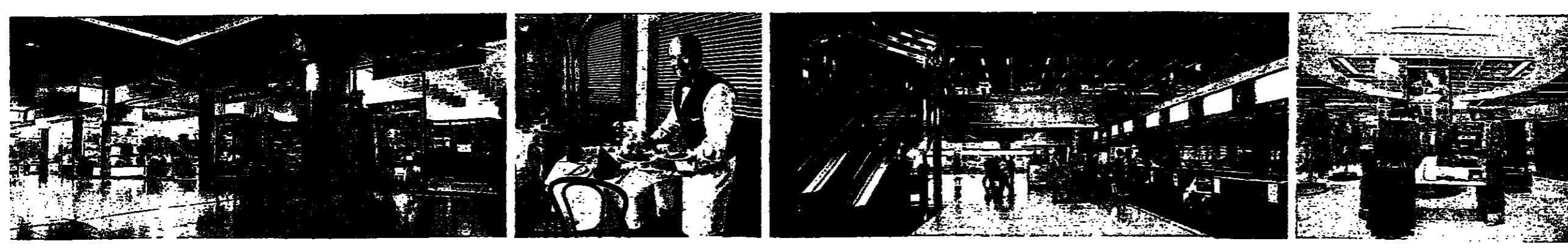
## MORE CHECK-OUTS



## MORE SPACE



## MORE INVESTMENT



## MORE EXPERIENCE

Heathrow's Terminal 3 has been transformed. For the last four years work has been going on behind the scenes and while over six million passengers per annum used the terminal during this project, few were aware of what was happening. Now, everyone will appreciate the difference.

We have spent £110 million enlarging the terminal and creating a spacious new environment to give you a better standard of service. There are more check-in desks, a brand new computerised baggage handling system and a larger baggage reclaim hall to help speed your journey.

You can visit Europe's largest Duty and Tax Free store, browse among a range of quality shops or relax in calm, comfortable surroundings.

All this has been achieved without closing the terminal. In fact it has been one of the most sophisticated projects ever attempted on a building as complex as Terminal 3.

We at BAA have the experience and commitment to build Britain's airports for the future. And, as the reborn Terminal 3 shows, to keep them ahead of their competitors.

B.A.A.

**Heathrow**

The World's Premier International Airport

مذاق الارض

DIARY  
OF  
THE TIMES CLASSIFIED  
TELEPHONE 071 481

## FOCUS

## 3/ HEATHROW: TERMINAL 3

# Not just cosmetic changes to an old, faithful system

**T**he most complex and challenging development within the new Terminal 3 was extending the departures building by 8,900 square metres, to make it a third as big again.

Keeping the six million passengers a year flowing through the area while workers ripped out the old and installed the new was an engineering and organizational problem of mind-bending proportions (Harvey Elliott writes).

The project was split into four phases to ease some of the complexities. The first phase involved rebuilding the northern end of the departures hall and extending the southern end to provide modern check-in facilities in two areas, known as *cult-de-sac* while leaving the other three available for use.

As the new desks were installed, so too was a new baggage system, with stairs and lifts. The Duty and Tax

lounge and seating areas. Now the bright, modern area has 134 sophisticated check-in desks and five purpose-built departure baggage systems, equipped with the world's first optical character recognition (OCR), fully automated baggage sorting system.

With the new system, each item of baggage is tagged at check-in with a coded label and placed on a conveyor belt taking it past a video camera. The camera's search for the special label and the scanned information is read automatically by a computer which operates a sophisticated system of pushers to direct the bag to one of eight collection belts in each loading area.

The equipment is capable of handling up to 60 items per minute for each baggage line, in addition to improving the accuracy of baggage sorting and, therefore, ending the problem of passengers occasionally arriving in one city while their bags are in another.

Phase four involved finishing off the last of the five *cult-de-sac* and completely refurbishing the transfer

free shop was extended, new toilets provided, baby care rooms created, and facilities for the disabled introduced throughout the building.

Phase two moved on to a third check-in area, produced additional seating and flight departures information boards together with new restaurants and bars.

Phase three concentrated on a fourth check-in area, again by providing hi-tech desks, toilets and baby care facilities.

Phase four involved finishing

off the last of the five *cult-de-sac* and completely refurbishing the transfer

lounges and seating areas. Now the bright, modern area has 134 sophisticated check-in desks and five purpose-built departure baggage systems, equipped with the world's first optical character recognition (OCR), fully automated baggage sorting system.

With the new system, each item of baggage is tagged at check-in with a coded label and placed on a conveyor belt taking it past a video camera. The camera's search for the special label and the scanned information is read automatically by a computer which operates a sophisticated system of pushers to direct the bag to one of eight collection belts in each loading area.

The equipment is capable of handling up to 60 items per minute for each baggage line, in addition to improving the accuracy of baggage sorting and, therefore, ending the problem of passengers occasionally arriving in one city while their bags are in another.

There is even an "induction loop" point, which the hard of hearing can operate to obtain the latest flight information, as well as passenger showers.

The main aim of the new design, however, is to ensure that passenger flow is smooth. Four large revolving doors, designed to accommodate passengers with baggage trolleys, dominate the entrance to the building. Inside, five escalators and stairs link the ground floor with the first floor and are complemented by lifts and ramps to help those with either large cases or disabled people in wheelchairs.

With the ever present threat of terrorist attack, the standard of security in the terminal buildings had to be high. An original design intention of D.Y. Davies Associates was to open up and remove



Hi-tech Heathrow: Terminal 3 has 134 sophisticated check-in desks and five purpose-built departure baggage systems

large areas of the first floor in the departures building to give an added feeling of space in what used to be a very cramped area with low ceilings. This has been achieved by the use of toughened, bullet-proof glass and by relocating specific high-risk areas away from those parts of the floor overlooked by balconies.

One important method of recovering some of the £110 million invested in the new building is through concessions for retail outlets, bars, restaurants and duty-free sales.

As well as two money-changing bureaux, there are clothing shops, a drugstore, bookshop and, in the departures area, a Harrods food hall.

On the first floor of the departures building, some of the most famous names in the high street have opened shops in The Boulevard, an elegant and extensive shopping area open to all travellers and visitors between 7.30am and

9.30pm hours every day of the year.

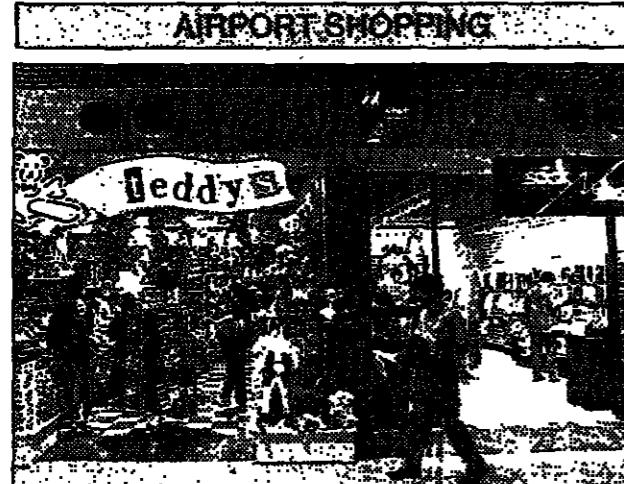
Landside, there are now bars, caffs, self-service restaurants and a carvery, while once through the new passport and security control areas the Tax and Duty Free shop—extended from 780 square metres to 1,830 square metres—is now the largest in Europe.

The redesigned departure lounge includes improved seating areas, new toilet facilities with showers and first-class lounges for individual airways to pamper their best airways customers.

After design work began in earnest in 1983, hundreds of different fabrics were studied for the seats. Hard wearing, neutral-coloured carpets were introduced to create a relaxed atmosphere in what is often one of the most stressful areas for passengers awaiting flights.

With air travel set to double within the next 12 years, almost everyone in the aviation industry is worried that the infrastructure will simply not be available to handle the vast increase in passengers.

But at least the six million passengers a year who fly from Terminal 3 on the 30 airlines providing direct flights to more than 75 international destinations, will not be able to complain about the efficiency of their short journey from the door of the departures terminal to their aircraft, nor about the facilities they will find in the refurbished departures building.



Final flight: long-haul passengers have time to shop

## Last-stop shop steps up the earning power

BRITISH airports generally get half their annual income from aircraft landing and handling charges, and the other half from commercial activities, such as duty and tax-free shops, catering, currency exchanges, car-hire, advertising sites and car parks.

With airlines kicking against proposals to raise landing charges, the trend is for the commercial side to play an increasingly important role in the financial health of airports, and the refurbished Terminal 3 will make a significant contribution to this trend (writes Arthur Reed).

Planned into the new layout is a glittering array of boutiques, restaurants and bars, mostly up-market in their appearance and the goods which they offer, and all primed to try to extract the remaining pounds from the pockets and handbags of travellers.

**'The terminal has what the airport operators say is the largest tax and duty-free shop in Europe.'**

Before deciding on the types of shopping and other commercial facilities which it would provide in the new Terminal 3, Heathrow Airport Ltd surveyed the social profile of the passengers, on the basis that different races react in different ways when faced with the lure of duty-free goods (the Japanese are reckoned to be the biggest spenders; the British the smallest).

The fact that the terminal deals almost exclusively with long-distance flights, for which passengers tend to report far earlier than for the short/medium-haul flights, which depart from Terminals 1 and 2, meant that most travellers had more time to kill before their flights.

The need was, therefore, for plenty of room in which to circulate. This was built in, but is already under pressure during the peak times of activity at Terminal 3. Unlike the short-haul terminals, which are busy throughout the day, Terminal 3 is what Heathrow Airport Ltd terms "peaky", with a major inflow of passengers as the wide-bodied jets arrive between 8am and 11am after long, overnight flights, and the major outflow starting late in the morning as those airliners are turned round, and begin their journeys back down the routes.

Shops in The Boulevard, a long mall on the first floor of the departures building, are open between 7.30am and 9.30pm every day. This

facility is on the landside of departures — that is, before passport control and security screening — and is open to all travellers and the meeters and greeters (there are often as many as 10 of the latter to each arriving passenger in Terminal 3). In addition to shops, The Boulevard has a bank and a pharmacy.

Airside — the other side of passport control and security — the terminal has what the airport operators claim is the largest tax and duty-free shop in Europe, with products ranging from champagne to brandy, from cameras to pearls, from cosmetics to pearls, at prices claimed, but disputed, to be less than those in the average British high street.

The duty-free shop should

be a long-term, high-revenue producer for the airport's balance sheet. Since by far the largest proportion of services from Terminal 3 are intercontinental, they will not be affected by the ban on duty-free sales within the European Community post-1993 — as will be the case in Terminals 1 and 2.

Heathrow Airport Ltd has

already gone a long way

towards providing non-duty-free concessions against the day when duty-free income is severely cropped.

Nor is the inner man or

woman forgotten in Terminal 3, with eight restaurants and bars. The most sumptuous of these is the Carvery, offering traditional British fare, and with a comprehensive wine list.

Then there is the Cricketer's, with self-service from a pasta and pizza bar, the West End buffet/burger bar, the attractions of which are advertised as including "the great English breakfast", the Fresh Approach/Cheers bar, with hot and cold continental dishes, the Orangery, offering cold snacks and a full range of beverages, and the Sushi, which, as its name indicates, offers Japanese-style food, prepared by the flight caterers to Japan Air Lines and British Airways Concorde.

There are two other bars,

the Raffles in the departures

building, and the Pavilion, in

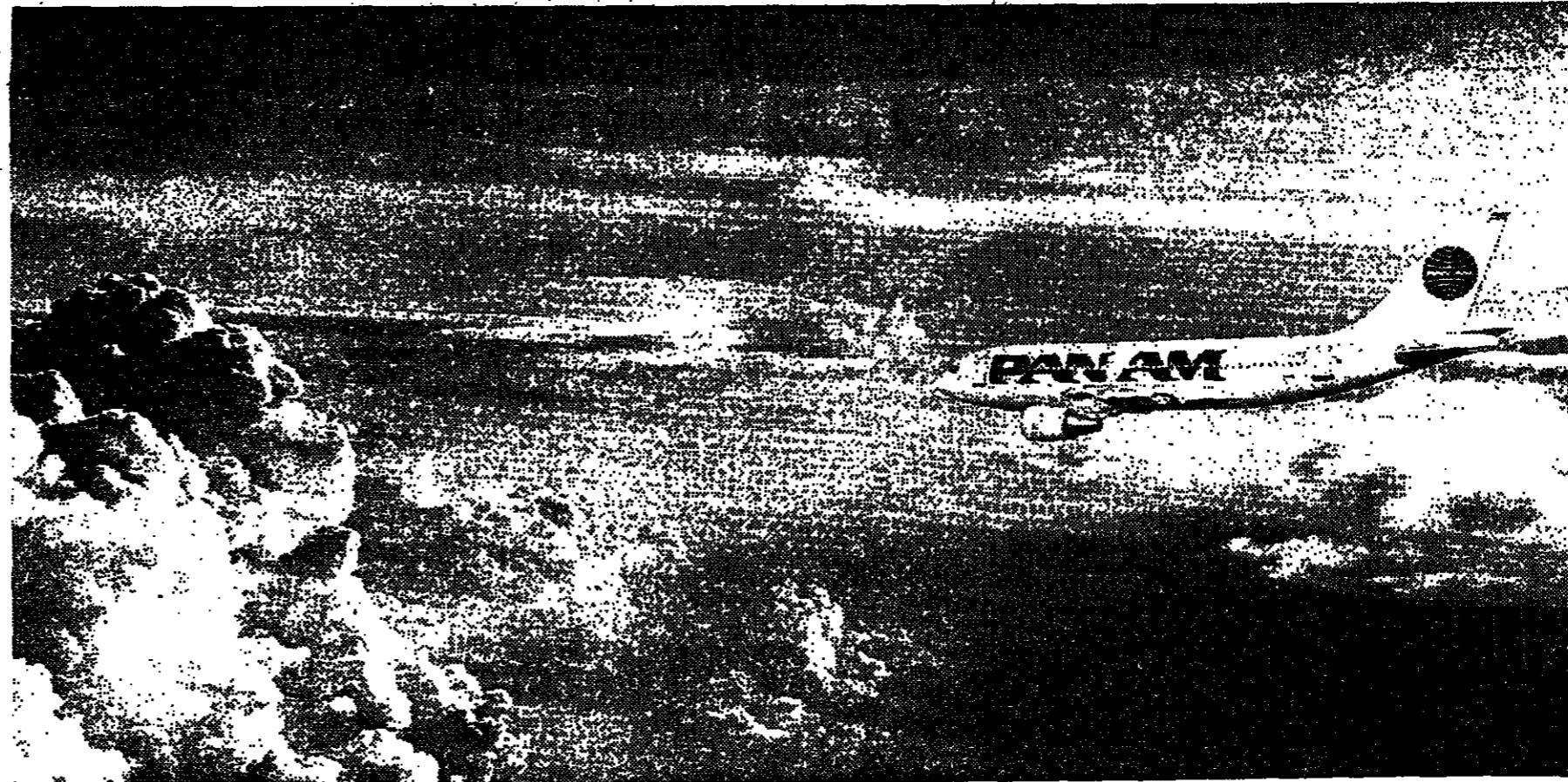
arrivals.

Also in the arrivals area is

an array of lifelines for the jet-lagged visitor to Britain — airport and airline information desks, car hire companies

and hotel booking kiosks. The

buffet is open 24 hours a day.



THE A310. A NAME THAT REPRESENTS THE ULTIMATE IN

AIRBUS TECHNOLOGY. AND PAN AM'S NINETEEN NEW

A310S MAKE UP THE LARGEST TRANSATLANTIC FLEET OF

ITS KIND, OFFERING AN EFFICIENCY OF EUROPEAN DESIGN

THAT EXTENDS TO EVERY ASPECT OF YOUR FLIGHT EXPERI-

ENCE. TOGETHER WITH OUR NEWLY-REFURBISHED 747S,

THE AVERAGE AGE OF OUR TRANSATLANTIC FLEET WILL BE

REDUCED TO ONLY SEVEN YEARS. IT'S JUST ANOTHER EXAM-

PLE OF HOW, AT PAN AM, WE NEVER STOP MOVING FORWARD.

**PAN AM**

WE'RE FLYING BETTER THAN EVER

## 4/ HEATHROW: TERMINAL 3

## FOCUS

Regardless of an airline's size, each demands top-quality facilities, writes Harvey Elliott

# Big and small want the best

Of the 30 airlines which operate from Terminal 3, 28 are national flag carriers. They serve 75 destinations, in every continent, with about 3,000 people arriving and departing at peak times. They range in size from the big, such as Qantas, Singapore or Pan Am, to the tiny, such as Air Mauritius or Ghana Airways.

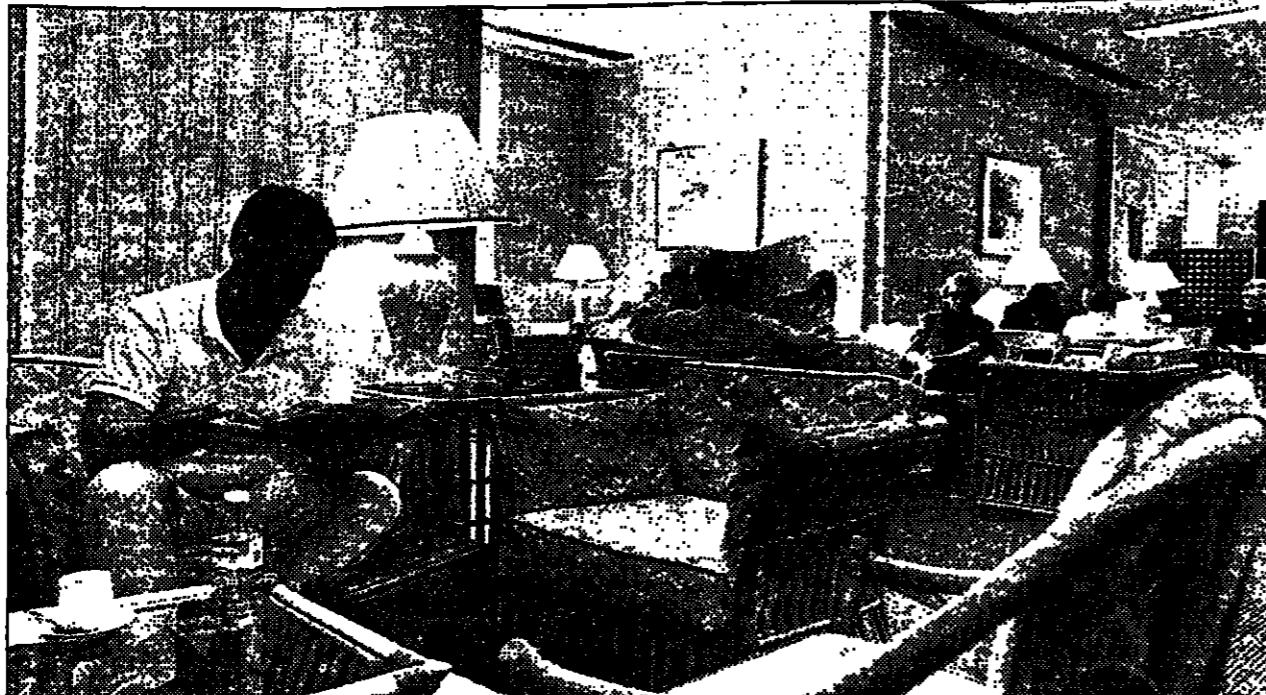
Whatever their size, the airlines expect the terminal to provide the best facilities for their passengers, including space for the meet-and-greeters, car parking, coach and train services.

They keep an eye on developments through the Airline Operators' Committee, which was set up to voice their concerns and to try ensure that BAA puts their interests first.

Naturally, they were somewhat concerned when they heard that Terminal 3 was to be refurbished, and feared that the services would be jeopardized, at least temporarily. They held an almost endless series of meetings to coordinate the project with BAA, the design consultants and the builders to ensure that they suffered as little as possible during the construction work.

During the past four years they have put up with temporary arrangements and the noise of drilling and hammering, but not one of their flights has had to be cancelled as a result of the disruption, and somehow six million passengers a year have been able to flow through the terminal, and 12 million friends and relations have been able to meet and wave goodbye. Now they are ready to take advantage of the completed work with its 134 check-in desks equipped with the latest technology, five new departures baggage systems with a automated sorted system capable of handling 60 items a minute for each baggage line, and facilities for the stringent security checks which are now an integral part of airline operations.

Every airline operating a long-haul service is seeking the most advantageous and popular take-off and landing "slot" for its passengers. Ideally, airlines like to get them on board some time in the evening, give them dinner and then turn the lights out while they either sleep or watch the in-flight film. This can then be followed by a few



Lounge luxury: Terminal 3's TWA Ambassador Lounge. Heathrow's busiest day recorded 1,160 aircraft movements

hours of rest, followed by breakfast and preparation for landing early in the morning. This means, however, that all transatlantic services aim to arrive at Heathrow at about the same time, putting enormous pressure for a few hours on air traffic control — particularly over the Atlantic approach to Scotland — and the airport's runways and terminals.

Between about 6.30 and 9.00am, the terminal's 3,000 staff have to be at their brightest and best. It is a time when every available immigration desk is pressed into service and when competition for landing slots is at its height.

Responsibility for sorting out which airline lands at what time remains in the hands of the Heathrow Scheduling Committee, a voluntary arrangement among airlines which results in some fascinating "horse trading" as dozens of different airlines make their individual cases for the best times both of arrival and departure. Often it appears, in advance of these meetings, that arranging for each of the aircraft, landing every two minutes in an endless stream, to be found room in the crowded schedules is an impossibility. Yet it is always somehow organized to everyone's near satisfaction.

No sooner have the aircraft landed than they are being prepared for the turn round to fly back to their home destination. Responsibility for sorting out which airline lands at what time remains in the hands of the Heathrow Scheduling Committee, a voluntary arrangement among airlines which results in some fascinating "horse trading" as dozens of different airlines make their individual cases for the best times both of arrival and departure. Often it appears, in advance of these meetings, that arranging for each of the aircraft, landing every two minutes in an endless stream, to be found room in the crowded schedules is an impossibility. Yet it is always somehow organized to everyone's near satisfaction.

It is a time when every available immigration desk is pressed into service and when competition for landing slots is at its height.



Aussie bound: first-class Qantas lounge in Terminal 3

Armed with cleaners and maintenance staff are on 24-hour-a-day stand-by, ready to turn the cabins from rubbish-strewn tubes into pristine welcoming rooms for the next batch of passengers, and to ensure that the aircraft are in full working order.

The airlines are responsible for their own baggage handling and delivery, sometimes contracted out to specialist handling agents at the terminal. They do, however, rely mainly on BAA to provide security searches of passengers and hand baggage, although a number of airlines, particularly those from the United States, have introduced their own security desks near the check-in, in accordance with rules laid down by the Federal Aviation Administration.

Since the first Boeing 747 was flown into Heathrow by Pan Am on September 13, 1970, the number of passengers carried by each aircraft has been gradually increasing. This puts enormous strain on the infrastructure of the airport, which often has to cope with several jumbos arriving almost simultaneously.

This could not be done unless the airport was laid out in the most effective way and unless staff were motivated to give of their best.

It would also be impossible unless Customs and Immigration staff were prepared to be flexible and work at extreme pressures when the demand is at its height.

Nor would it work unless the hard-pressed, and often unfairly criticized, air traffic controllers, were not capable of handling the stream of jets lining up on the two main runways. From their control tower, they guide in approximately 550 aircraft a day, with a similar number requesting take-off clearance.

In 1988, the Heathrow controllers handled a total of 351,742 landings and take-offs. Their busiest day was September 25, 1989, when 1,160 movements were recorded.

More than six years of intensive planning went into the Heathrow Terminal 3 refurbishment project. June 1983 saw the first outline drawing of the project, and as the work progressed, Heathrow Airport Ltd (HAL) held monthly meetings for representatives of all the companies involved, from the contractors to the airlines, from Customs and Excise to those who have the concessions for the shops and restaurants (Arthur Reed writes).

In addition to the monthly meetings, others were convened at short notice on occasions between HAL and the operators when the noise of building work and the dust became too much for their staff. HAL organized breaks in the work at peak check-in times.

The job was planned in sections, with giant slices of the building, running from the road outside through to the area where the air traffic controllers park, closed off in turn behind boardings as the demolition gangs moved in.

This was no light, cosmetic job. Each section was gutted from roof to floor before the task of restoration began, including the installation of new lifts, escalators, and stairs, walls, floors, and ceilings. Each of the many different trades involved had to be carefully phased in at the planning stage.

In all, seven main sections in Terminal 3 were treated in this manner — four in the departures building, three in arrivals.

Heathrow Airport Ltd took the views of the airline users into consideration, and many of the ideas which the airlines produced are incorporated into the new building.

The airlines were asked, for instance, what type of baggage-sorting system they would like to see installed. When they opted for the advanced Super-Vision OCR (optical character recognition) system, a party of Heathrow Airport Ltd and airline representatives flew to Dallas, Texas, to see a version of the system working.

The Terminal 3 redevelopment team consisted of the BAA planning and engineering departments, the Heathrow Airport Ltd Terminal 3 Project Team, Terminal 3 Management Team, D.Y. Davies Ltd (project architects and lead designers), AMEC Projects Ltd (managing contractors).

Also represented: British Airports Services Ltd (consultant designers and quantity surveyors), John Herbert and Partners (consultant interior designers), British Airports Services Ltd (consultant structural and civil engineers, departures building), A. Hunt Associates (consultant structural and civil engineers, arrivals building), British Airports Services Ltd (consultant heating and ventilation engineers, departures building), Donald Smith, Seymour and Rooley (consultant heating and ventilation engineers, arrivals building), British Airports Services Ltd (consultant electrical engineers), David Humble Associates (catering consultants).

The Terminal 3 redevelopment team consisted of the BAA planning and engineering departments, the Heathrow Airport Ltd Terminal 3 Project Team, Terminal 3 Management Team, D.Y. Davies Ltd (project architects and lead designers), AMEC Projects Ltd (managing contractors).

Such plans are, however, bound up with the long-term development of Heathrow, and particularly with the wish by both Heathrow Airport Ltd, and British Airways, to see the Perry Oaks site, at the western end of the airport, developed as a terminal capable of handling 30 million passengers a year.

At 300 acres, Perry Oaks is as big as the central area containing three terminals, but it currently accommodates a sewage works, which would have to be cleared and re-sited. The wisdom of developing Perry Oaks as a new terminal would be hotly contested at a lengthy planning inquiry, largely on grounds of its impact on the environment, and if permission was finally given, it is unlikely that the new facility could be open before the end of the century.

Terminal 2 would be closed if Perry Oaks was developed, making the new Terminal 4 at Heathrow, rather than number 5. The enormous capacity of the new facility would enable British Airways to move all its services into one terminal, instead of having them spread over two, as now.

## Flight users kept in mind in upgrading

### Terminal 3 was refurbished after extensive consultation

More than six years of intensive planning went into the Heathrow Terminal 3 refurbishment project. June 1983 saw the first outline drawing of the project, and as the work progressed, Heathrow Airport Ltd (HAL) held monthly meetings for representatives of all the companies involved, from the contractors to the airlines, from Customs and Excise to those who have the concessions for the shops and restaurants (Arthur Reed writes).

In addition to the monthly meetings, others were convened at short notice on occasions between HAL and the operators when the noise of building work and the dust became too much for their staff. HAL organized breaks in the work at peak check-in times.

The job was planned in sections, with giant slices of the building, running from the road outside through to the area where the air traffic controllers park, closed off in turn behind boardings as the demolition gangs moved in.

This was no light, cosmetic job. Each section was gutted from roof to floor before the task of restoration began, including the installation of new lifts, escalators, and stairs, walls, floors, and ceilings. Each of the many different trades involved had to be carefully phased in at the planning stage.

In all, seven main sections in Terminal 3 were treated in this manner — four in the departures building, three in arrivals.

Heathrow Airport Ltd took the views of the airline users into consideration, and many of the ideas which the airlines produced are incorporated into the new building.

The airlines were asked, for instance, what type of baggage-sorting system they would like to see installed. When they opted for the advanced Super-Vision OCR (optical character recognition) system, a party of Heathrow Airport Ltd and airline representatives flew to Dallas, Texas, to see a version of the system working.

The Terminal 3 redevelopment team consisted of the BAA planning and engineering departments, the Heathrow Airport Ltd Terminal 3 Project Team, Terminal 3 Management Team, D.Y. Davies Ltd (project architects and lead designers), AMEC Projects Ltd (managing contractors).

Also represented: British Airports Services Ltd (consultant designers and quantity surveyors), John Herbert and Partners (consultant interior designers), British Airports Services Ltd (consultant structural and civil engineers, departures building), A. Hunt Associates (consultant structural and civil engineers, arrivals building), British Airports Services Ltd (consultant heating and ventilation engineers, departures building), Donald Smith, Seymour and Rooley (consultant heating and ventilation engineers, arrivals building), British Airports Services Ltd (consultant electrical engineers), David Humble Associates (catering consultants).

The Terminal 3 redevelopment team consisted of the BAA planning and engineering departments, the Heathrow Airport Ltd Terminal 3 Project Team, Terminal 3 Management Team, D.Y. Davies Ltd (project architects and lead designers), AMEC Projects Ltd (managing contractors).

Such plans are, however, bound up with the long-term development of Heathrow, and particularly with the wish by both Heathrow Airport Ltd, and British Airways, to see the Perry Oaks site, at the western end of the airport, developed as a terminal capable of handling 30 million passengers a year.

At 300 acres, Perry Oaks is as big as the central area containing three terminals, but it currently accommodates a sewage works, which would have to be cleared and re-sited. The wisdom of developing Perry Oaks as a new terminal would be hotly contested at a lengthy planning inquiry, largely on grounds of its impact on the environment, and if permission was finally given, it is unlikely that the new facility could be open before the end of the century.

Terminal 2 would be closed if Perry Oaks was developed, making the new Terminal 4 at Heathrow, rather than number 5. The enormous capacity of the new facility would enable British Airways to move all its services into one terminal, instead of having them spread over two, as now.



Paul Fox, projects manager, Terminal 3

row and Stansted. A new terminal building for Stansted airport, capable of handling eight million passengers a year, is now well advanced, with outline planning permission to expand up to 15 million passengers a year.

The new facility has a railway station underneath it. Trains being specially built for the service will cover the 36 miles between the terminal and the Liverpool Street terminus in London in 41 minutes at a top speed of 100mph.

Gatwick's two terminals are already linked to London's Victoria station by the Gatwick Express train service, while Heathrow Airport Ltd has plans for a 100mph rail link to connect the three terminals in the central area at Heathrow, and Terminal 4 on the airport's southern boundary, with Paddington station, London, in 41 minutes at a top speed of 100mph.

This plan calls for a spur to be built from the main West of England rail line, running into underground stations at the airport through a tunnel for most of the way.

As in the case of Stansted, special rolling stock is to be built, designed to cover the journey from Paddington to the Heathrow central area in 16 minutes.

The next terminal building at Heathrow likely to be redeveloped is Terminal 2, the original facility of this kind to be built when Heathrow was developed after the Second World War, and now some 40 years old.

Extensive refurbishing work on Terminal 2 has been carried out over the years, but the building is outmoded, and the airport planners would like to see it replaced by a modern construction.

Such plans are, however, bound up with the long-term development of Heathrow, and particularly with the wish by both Heathrow Airport Ltd, and British Airways, to see the Perry Oaks site, at the western end of the airport, developed as a terminal capable of handling 30 million passengers a year.

At 300 acres, Perry Oaks is as big as the central area containing three terminals, but it currently accommodates a sewage works, which would have to be cleared and re-sited. The wisdom of developing Perry Oaks as a new terminal would be hotly contested at a lengthy planning inquiry, largely on grounds of its impact on the environment, and if permission was finally given, it is unlikely that the new facility could be open before the end of the century.

Terminal 2 would be closed if Perry Oaks was developed, making the new Terminal 4 at Heathrow, rather than number 5. The enormous capacity of the new facility would enable British Airways to move all its services into one terminal, instead of having them spread over two, as now.

## Bag and baggage

### A sophisticated system should speed up baggage handling

### Battling long luggage lines

A new and highly sophisticated baggage-sorting system installed at Terminal 3 should speed up the movement of luggage, and result in fewer pieces going astray.

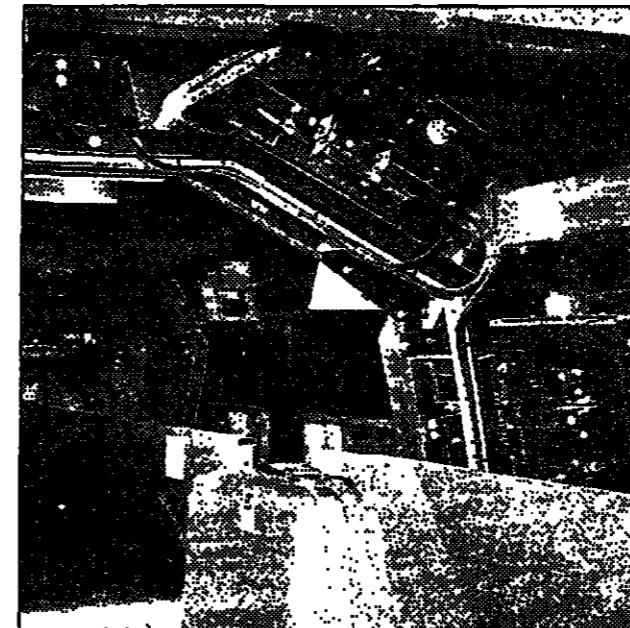
At the centre of the system is a device called optical character recognition (OCR), which is able, through the use of video cameras and a computer, to "read" the codes of the destination airport label attached to luggage at the check-in desks (Arthur Reed writes).

As each item moves on a conveyor belt from check-in to the baggage-sorting area, the cameras search for its label and, having found it, relay this information to the computer. This then activates devices which sort the pieces on to one of eight collection belts.

Before the bags are loaded on to the aircraft, the labels are checked by staff to make sure that the computer has done its work correctly.

OCR was developed by BAE Automated Systems, of Dallas, Texas, and Heathrow is claimed to be the first airport outside the United States to install such a system.

One great advantage of the



In the bag: OCR is the best baggage checker in the UK

OCR computer is that it is able to understand hand-written baggage labels.

Again, according to Heathrow Airport Ltd, OCR is greatly reducing the time taken for sorting baggage, so helping airlines to achieve prompt departures of flights.

The system can cope with 60 items of baggage a minute in each check-in area, and this speed of operation is helping to streamline the transfer of bags between connecting flights.

The luggage collection hall has been considerably extended, with 11 carousels instead of seven.

At the same time, the space between the carousels has been widened to make it easier for the 400 passengers from a fully loaded jumbo jet to identify and pick up their individual cases.



Couves

Since 1923 Couves has been associated with design excellence.

Move into the 1990s with one of the United Kingdom's leading architectural practices.

Couves Limited

Architects, Designers and Development Consultants,

Earl Grey House, 75-85 Grey Street, Newcastle upon Tyne NE1 4LL.

Telephone: (091) 222 5224. Fax: (091) 222 0228.

And at 3 Berkeley Square, London W1H 5HG. Telephone: (071) 491 3611.

If you fly to Europe two or three times a week, and you're based in Central London, you spend an entire month each year sitting in traffic — just to catch your plane.

Status Park is a brand new, beautifully-finished complex of four headquarters buildings, ranging from 19,000 to 38,000 square feet. It is designed to

standards. You will discover the joys of plentiful reserved parking. It is all of five minutes from Terminals One, Two and Three. It costs probably half what you pay now for the dubious pleasure of staying in town. And it's ready, right now.

For your Information Pack, Dial 100 and ask for FREEFONE STATUS PARK, or call us right now on 081-759 7230.

STATUS PARK

THE RUNWAY TO EUROPE

مذاق الارض

## LEGAL APPOINTMENTS

071-481 4481

CONSTRUCTION  
TO £43,000

As the need for specialist legal advice increases, construction lawyers continue to be a highly prized commodity. Our Client, a leading City firm, has a young and thriving Construction Department which is inundated with work.

The firm boasts a closely-knit team of construction experts with a variety of relevant qualifications, who advise the full range of employers, contractors, professionals and insurers on all aspects of contentious and non-contentious construction matters.

A further construction lawyer is now sought, ideally with between 1 and 3 years' relevant experience and with knowledge of the workings of the construction industry. The successful applicant will be offered a highly attractive salary and benefits package.

For further information, please contact **Jonathan Brenner** or **Gareth Quarry** on 071-405 6062 (081-958 1936 evenings/weekends) or write to **Quarry Dougall Recruitment**, 9 Brownlow Street, London WC1V 6JD.



QUARRY DOUGALL

UNITED KINGDOM • HONG KONG • NEW ZEALAND • AUSTRALIA

COMMERCIAL  
EXCELLENCE

Our client is a prestigious London law firm with an established and rapidly developing European and International practice. The partnership represents a number of the world's largest multi-national corporations and is renowned for its strength in media and communications related matters.

They wish to appoint a solicitor, preferably 2-3 years admitted, to join the Company and Commercial Department. The workload will have a bias towards media, communications and intellectual property law.

Previous experience in these areas is not a prime requirement but applicants should be excellent solicitors who have gained commercial experience with a leading firm.

The successful candidate will be working in a young and closely knit group and our client offers excellent prospects together with a competitive remuneration package.

If you are interested in a preliminary confidential discussion, please write to David J. Wilson at Law Placements, Ludgate House, 107/111 Fleet Street, London EC4A 2AB or alternatively telephone him on 071-583 4877 where all replies will be treated in strictest confidence.



Also at  
3550 WILSHIRE BOULEVARD, 17th FLOOR, LOS ANGELES, CALIFORNIA. Tel: (213) 383 2755.  
WITH ASSOCIATES IN AUSTRALIA, CANADA, HONG KONG, IRELAND, NEW ZEALAND,  
SCOTLAND, SINGAPORE & U.S.A.

Company Lawyer  
Financial Services Group  
Northern Home Counties

Excellent remuneration and valuable benefits

Our client is the specialist retail mortgage arm of one of the largest financial services groups in the United Kingdom. The company has achieved phenomenal growth in recent years and intends to continue expansion in all areas of its business.

The company now seeks a lawyer to provide wide ranging legal advice to the directors and staff. More specifically, guidance will be provided on the development of mortgage products and procedures, including the vetting of new advertising and marketing literature. The appointee will also be closely involved in the provision of legal services to related business units within the group and will have the opportunity of handling a wide variety of general commercial matters.

The successful candidate may be either a solicitor or barrister with a broad knowledge of property law and consumer credit. It is likely his or her experience will have been gained from within either a substantial private practice or, ideally, a financial services environment. Commercial awareness and the ability to adapt quickly within a fast moving company are prerequisites.

The remuneration package includes a generous mortgage subsidy, quality car, non-contributory pension and private health insurance.

It is envisaged that the role will encompass general management responsibilities and offer considerable scope for future career progression.

For a strictly confidential discussion, telephone or write to Philip Price or Geoffrey Mather, quoting reference 1377 at FLA, 16 Old Bond Street, London, W1X 3DB. Tel: 071-499 3611.

SEARCH, SELECTION  
AND CONSULTANCY  
SERVICESCommercial Conveyancing - West End - to £55,000  
Solicitor with a minimum of 4 years exp in development work including secured lending and Landlord and Tenant matters required by a 20 partner commercial practice.Film/TV - City - to £40,000  
Medium sized City practice requires a lawyer with exp in Film and/or TV production distribution and/or financing. Workload demands an additional member of the department.Oxford - Company/Commercial - to £40,000  
London firm requires a solicitor 3 years qualified with exp of private company work and general commercial matters to join established Oxford office. Excellent quality of work.Personal Injury - 2 to 4 years Qual - to £40,000  
Progressive twelve partner firm requires a solicitor with experience of fatal and road traffic accidents and some medical negligence.Banking - City - £30,000 + Mtge Sub.  
Company/Commercial solicitor is required to handle commercial lending in security taking, facility letters, bills of exchange and general contract and receivership advice.Garfield Robbins  
Legal Recruitment and Search Consultants 21 Bloomsbury Way, London WC1A 2TH Contact Nicholas Robbins or Gavin Crocker on 071-405 1123 (evenings on 081 646 4955)

## LOCUMS

For top assignments and top rates throughout Central and Greater London and the Thames Valley call  
Helen Thomas on:  
(071) 583 0073  
or send your C.V. to:  
16-18 New Bridge Street,  
London EC4V 6AU.  
Or fax: (071) 353 3908.

BENNOCH & CLARK  
recruitment specialistsRECRUITMENT  
SPECIALISTS

Legal Resources is a division of Reliance Resources Limited, a long established and highly respected human resource company.

Legal Resources specialises in the nationwide recruitment of permanent and locum legal staff.

We provide  
— private practice  
— local authorities  
— the industrial and commercial sectors  
with a positive combination of professional recruitment skills, legal expertise and a high level of dedicated service.

COMM/CONVN to £30,000. Multi-national company in central London. Requires an experienced legal executive to manage a multi-million pound cashflow or property work. Tel 081 7088 4499.

GRADUATE (Law). City bank. 12th Cllr Amara. Tel 071-439 4949. Capital Connection Agcy.

LOCUMS. Solicitor Canterbury. Family law. Tel 071-424 2281. For details of this and other legal assignments, call Nick Brown 071-424 2281. ASA Law Personnel (071) 242 1281 (24hrns.)

RECRUITMENT. Legal Executive with relevant experience required by London firm. Tel 071-424 2281. CANTERBURY CONTACT LAW PERSONNEL (071) 242 1281 (24hrns.)

YOUNG criminal solicitor sought by substantial practice on Hampstead Heath. Tel 071-242 1281 (24hrns.)

071-481 4481

## LEGAL APPOINTMENTS

\*\*\*\*\* SL

071-481 4481

## National and International Recruitment for Lawyers by Lawyers

Lipson Lloyd-Jones is firmly established at the forefront of legal recruitment in London and nationwide. All of our Consultants are qualified Lawyers each of whom have practised either within private practice or industry and in some cases, both. We have always observed the strictest standards of professional conduct, and consider it axiomatic that CV's should only be sent to clients at our candidates' direction. Moreover, we believe it is essential that our clients only receive details of appropriately qualified candidates.

## INDUSTRY / COMMERCE

**INTERNATIONAL LEASING COMPANY** - c. £30,000 + Car + Benefits

- Barrister/Solicitor ► 1-3 PQE ► Acquisitions, general commercial.
- Travel

**MAJOR INTERNATIONAL BANK** - City c. £40,000 + Benefits

- Solicitor/Barrister ► 2-5 PQE ► Options, cross-border transactions

**VENTURE CAPITAL COMPANY** - London to £50,000 + Car + Benefits

- City experience ► MBO's, MBI's, general corporate finance work

- High profile department

We have now established an associate office in New York and we invite applications from experienced Lawyers with strong academic backgrounds and sound professional experience who wish to work in the USA.

If you would like to discuss the opportunities set out below and the many other positions registered with us, or are interested in working in the USA, contact Simon Lipson, Michael Silver or June Mesrie, all Solicitors or Lucy Boyd, a Barrister.

## PRIVATE PRACTICE

## EMPLOYMENT - Central London

- Major practices ► Contentious/non-contentious ► 2 PQE - Partnership level

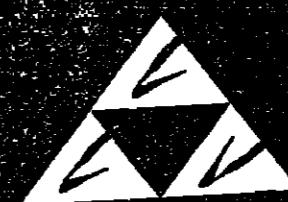
## COMPANY/COMMERCIAL - International City Practice

- M & A, Yellow/Blue Book experience ► 1-5 PQE ► City/financial sector background

## NEWLY QUALIFIED - London and Major Provincial Practices

- September qualifiers ► Company/commercial, litigation, property ► Our Consultants were trained in private practices in the City, West End and Manchester

## THE LEGAL RECRUITMENT SPECIALISTS



**LIPSON  
LOYD  
JONES**

127 CHEAPSIDE  
LONDON EC2V 6BT

071-600 1690  
24 HOURS

Assistant  
to the  
Company  
Secretary

As one of the world's largest manufacturers of domestic appliances, Electrolux is a thriving and dynamic business which also operates successfully in a number of other important business sectors.

An opportunity has arisen for a self motivated person with good interpersonal skills wishing to develop their professional experience within a highly competitive environment.

Working closely with the Group Company Secretary, the job holder will assist in a broad range of administrative and legal matters, with particular emphasis in the areas of property, consumer law and intellectual property, both at Luton and our other operating locations within the UK.

## LUTON c £18K

Applicants should be graduates, preferably with a law degree, who have completed at least Part II of the ICSA examinations. Ideally they should have a minimum of two years' experience within industry, or an appropriate commercial environment. In return the successful applicant can expect all of the benefits normally associated with a large multi-national Company.

Take the initiative now and apply with full cv to Mr R. Stratford, Personnel Manager, Electrolux Ltd, Oakley Road, Luton, LU4 9QQ. Telephone: 0582 588247.

Closing date for applications 25th May, 1990.

No Agencies please.



## 1990 QUALIFIERS

## COMPANY/COMMERCIAL To £28,000

Leading City firm seeks further ambitious newly qualified lawyer to specialise in high calibre corporate finance work, much of it with an international flavour. Challenging workload and very good salary.

## INSOLVENCY

Well-known City firm seeks newly qualified lawyer for its thriving Insolvency Department which handles all aspects of non-contentious Insolvency. Training provided. Excellent prospects.

## EEC

Newly qualified lawyer, preferably fluent in a second European language, sought by leading commercial firm to undertake EEC/domestic and international competition work.

If you are interested in any of these or the many other vacancies we have available, or merely in discussing in confidence the various options open to you on qualification, then contact Jonathan Brenner on 071-405 6062 (081-958 1936 evenings/weekends) or write to Quarry Dougall Recruitment, 9 Brownlow Street, London WC1V 6JD.

UNITED KINGDOM · HONG KONG · NEW ZEALAND · AUSTRALIA

 **Royal County of  
BERKSHIRE**

**SOLICITOR**

To £26,000 + benefits

## COUNTY SOLICITORS' OFFICE

We have a rare opening for a Solicitor (or Barrister) with a keen interest in public rights of way, who is prepared to specialize in this area of law. In addition, we can offer a wide range of interesting work relating to Highways, Planning, Fire, Police, Building Standards and other County Council functions which to some extent can be tailored to meet special interests.

Although some admitted experience is desirable, it is by no means essential for someone with the necessary enthusiasm and ability.

For an informal discussion, telephone David Over on 0734 233130 or Andrew Warr on 0734 233122.

We will gladly send fuller details on request to Mrs Joan Klopke, County Solicitors' Office, PO Box 189, Shire Hall, Sunfield Park, Reading RG2 9DU. Telephone: 0734 233158 to whom completed CV's should be sent by 31st May.

AN EQUAL OPPORTUNITY EMPLOYER

**30 LAW GRADUATES  
CAREER IN TAX PLANNING /  
LEGAL RESEARCH**

NATIONWIDE To £15,000

Our client, one of the world's leading accountants and founder of a comprehensive tax training programme, plans to recruit over 30 graduates by September 1990 to specialize in the field of corporate taxation.

Using their unique legal research skills, you will be trained to advise multinational companies on the financial and legal implications of buyouts, mergers and acquisitions. Opportunities exist to travel to Europe and the US within the group.

Full study support provided for the Institute of Taxation of Chartered Accountancy exams. Minimum 10 UCAs and 2.2 degrees essential. Nationwide vacancies include BIRMINGHAM, BRISTOL, CARDIFF, LEEDS, LEICESTER, LIVERPOOL, LONDON, MANCHESTER, NEWCASTLE AND NOTTINGHAM.

To discuss in more detail contact BARBIE PALLEEN on 071-853-1715 (Eves) or send CV to ALDERWICH, 10 ALDERSHAW, PARTNERS 125 High Holborn, London WC1V 6QA (Int'l calls).

FOUR ESSAYS COURTS

THE CANTERBURY CHAMBERS

5, Kings Bench Temple, EC4

DIARY OF  
THE TIMES CLASSIFIED  
TELEPHONE 071-481 4481

COMMERCIAL  
LAWYERInternational consumer products  
Thames Valley

to £37,000 + car + benefits

THIS MULTIBILLION DOLLAR, US-owned group has an international reputation for the manufacture and marketing of a wide range of high-quality branded consumer goods.

Part of a small, closely-knit team in the UK, you will be involved in a highly varied mix of company, commercial, intellectual property, advertising and business development work, often with an international content. There will be close day-to-day involvement with management throughout the organisation, including liaison with other members of international staff departments in the USA and Europe.

This appointment offers considerable career development opportunities, with prospects of early advancement and will appeal to a solicitor or barrister with at least 4 years' post-qualification experience in either an industrial organisation or private practice with a commercial emphasis. Good communication skills and the ability to apply sound legal judgement within the context of the business are essential.

To apply, please send a brief cv in confidence to Sue Port, Ref: 432/SP/TT, PA Consulting Group, Hyde Park House, 60a Knightsbridge, London SW1X 7LE.

**PA Consulting Group**

HUMAN RESOURCES

Creating Business Advantage

Executive Recruitment - Human Resource Consultancy - Advertising and Communications

**LAURENCE  
SIMONS  
ASSOCIATES**

Legal Recruitment

## COMMERCE/INDUSTRY

£24,000

## INTELLECTUAL PROPERTY C. £40,000 + BENEFITS

£24,000

This major company based in central London seeks a solicitor/barrister to join its high profile legal department to handle a substantial intellectual property workload connected with general commercial matters.

## CONTRACTS ADVISOR C. £25,000 + CAR

£25,000

Substantial computer company based in Slough currently requires a contracts advisor to undertake high level negotiations. Applicants must have sound commercial acumen, coupled with relevant contractual experience.

## CONSTRUCTION £24,000 + CAR

£24,000

A junior barrister is sought by this consultancy involved in the construction industry. Applicants should already have some building experience and be looking for a move into a highly commercial environment.

The above are only a small selection from the positions we are currently instructed to fill. If you would like to discuss any of these or any other aspect of your career, please telephone Laurence Simons or Shona McDougall

071-831 3270

(071-485 1345 evenings/weekends)

Or write to: Laurence Simons Associates, 33 John's Mews, London WC1N 2NS.

We are qualified lawyers with extensive experience in legal recruitment and all approaches are treated in strict confidence.

 The  
University  
of  
Buckingham  
CHAIR IN LAW

This expanding independent University invites applications for a Chair in Law following the retirement of Professor Philip Pettifor. The post is tenable from 1st October 1990, or by arrangement.

Applicants with a proven commitment to teaching and research in any major area of Law are invited to contact the Registrar for further particulars.

Salary will be related to age, qualifications and experience: superannuation is available under US conditions. The closing date for applications: 3rd July 1990.

Possible candidates are welcome to discuss the post informally with the Dean of Law, Professor Jennifer Temkin.

Tel: Buckingham (0280) 814080.  
The University of Buckingham, Buckingham MK18 1EG.

## Legal Opportunities

## Co Comm

F2 Cap/Tax

WC1 Co/Com

W2 Commercy

Oons Co/Com

W3 Co/Com

W4 Co/Com

W5 Co/Com

W6 Co/Com

W7 Co/Com

W8 Co/Com

W9 Co/Com

W10 Co/Com

W11 Co/Com

W12 Co/Com

W13 Co/Com

W14 Co/Com

W15 Co/Com

W16 Co/Com

W17 Co/Com

W18 Co/Com

W19 Co/Com

W20 Co/Com

W21 Co/Com

W22 Co/Com

W23 Co/Com

W24 Co/Com

W25 Co/Com

W26 Co/Com

W27 Co/Com

W28 Co/Com

W29 Co/Com

W30 Co/Com

W31 Co/Com

W32 Co/Com

W33 Co/Com

W34 Co/Com

W35 Co/Com

W36 Co/Com

W37 Co/Com

W38 Co/Com

W39 Co/Com

W40 Co/Com

W41 Co/Com

W42 Co/Com

W43 Co/Com

W44 Co/Com

W45 Co/Com

W46 Co/Com

W47 Co/Com

W48 Co/Com

W49 Co/Com

W50 Co/Com

W51 Co/Com

W52 Co/Com

071-481 4481

JUNIOR LSC  
LEGAL APPOINTMENTS

071-481 4481

PENSIONS MIX  
£ PREMIUM

If you find pensions work has started to dominate your time sheet and would like a change, read on.

Our Client, a long established yet progressive medium sized City law firm, prides itself on providing top calibre advice with a level of personal service and partner involvement no longer possible amongst some of its larger competitors.

The company department requires an additional lawyer, ideally 2-5 years qualified, who can bring added expertise in the field of pensions, employee benefits and share schemes. The successful applicant will also be encouraged (and trained where necessary) to develop broader company/commercial skills.

The firm pays highly competitive City salaries and can offer genuine prospects to those of the right calibre.

For further information please contact **Jonathan Macrae** on 071-405 6062 (081-672 8340 evenings/weekends) or write to him at **Quarry Dougall Recruitment**, 9 Brownlow Street, London WC1V 6JD.



QUARRY DOUGALL

UNITED KINGDOM · HONG KONG · NEW ZEALAND · AUSTRALIA

LITIGATION –  
PROPERTY AND BUILDING

Our client, Norwich Union Insurance, has one of the largest holdings of commercial property in the UK and is the country's biggest investor in in-town shopping centres. As a result, its legal team of 31 solicitors and 20 legal executives consistently receives property work of the highest quality. This includes conveyances on a scale seldom matched elsewhere, as well as diverse and very substantial litigation.

It is in the contentious areas of property law that Norwich Union currently has vacancies. It seeks applications from solicitors and barristers who ideally have had upwards of three years' experience of property-related litigation; particular opportunities exist to do landlord and tenant work, rent reviews, construction and so on. There is potential to progress to positions with managerial responsibility.

Remuneration for these positions will be excellent – reflecting our client's policy of competing for the best available talent – and will include a comprehensive large-company package. Appointees will also benefit from the attractive Norwich location and surrounding countryside.

For further information please contact **Philip Boynton, LL.B., LL.M.**, on 071-405 6852 or write to him at **Reuter Simkin Ltd.**, Recruitment Consultants, 5 Bream's Buildings, Chancery Lane, London EC4A 1DY.

NORWICH  
OFFICESSOLICITORS/  
BARRISTERSLONDON · BIRMINGHAM  
MANCHESTER · LEEDS · BRISTOL  
GUILDFORD · SYDNEYFOUR ESSEX  
COURT

Leading Commercial set of Chambers invites applications for tenancies from barristers with established practices in Commercial and Corporate law.

Applications from academics or practising solicitors wishing to re-qualify and with substantial experience in the above areas are similarly invited.

Applications (which will be treated in the strictest confidence) should be sent to:

Marion Hollidge  
Four Essex Court, Temple,  
London EC4Y 9AJ

"Closing date for applications: Tuesday 22nd May 1990."

THE CANTERBURY  
CHAMBERS

Common Law Set, established in 1988, in excellent city centre accommodation, now have vacancies for established practitioners and two junior tenants, to assist with the current civil and criminal work load.

Applications to **John Bishop**,  
The Canterbury Chambers,  
Butcher Lane, Canterbury,  
Kent CT1 2JR.  
Tel: (0227) 456865

5, Kings Bench Walk,  
Temple, EC4Y 7DN.

The Chambers of Mr. David Cocks Q.C. invite applications for tenancies between 12-17 years call practising in Crime/Common Law. Replies please with 2 references by Friday 15th June to the Senior Clerk.

CHAMBERS OF  
BERNARD HARGROVE QC  
6 PUMP COURT  
TEMPLE  
LONDON EC4Y 7AR

Applications are invited for Tenancies from established Practitioners between 5 - 12 years call who are interested in pursuing general and specialist areas of common law practice in a developing set of Chambers.

Applicants should write in strict confidence to **Mr Bernard Hargrove QC** or **Mr Kieran Coonan QC** at the above address.

ASA  
LAW  
THE LEADING  
LOCUMS  
SERVICE FOR  
SOLICITORS  
PROVIDES COMPETENT  
AND AFFORDABLE  
COUNTRY WIDE  
AND OVERSEAS  
ALL TERMS NEGOTIABLE

071 236 4625

ASA LAW 63 CARTER LANE  
EC4M 8EJ FAX 01 849 8463PERSONNEL  
OFFICER

Required for major City practice. Legal background essential. Salary 2AAE.

Contact Law Personnel  
(071) 242 1281 (24 hrs.)

CENTRE FOR CONSTRUCTION LAW AND  
MANAGEMENT  
KING'S COLLEGE LONDON

Wishes to appoint a  
LECTURER IN CONSTRUCTION LAW  
to teach aspects of Construction Law and allied subjects for the  
Master of Construction Law and Management Award.  
There will also be opportunities to teach commercial law,  
contract and tort for other degree courses in the College.  
This appointment, from October 1990, is envisaged as being for  
a period of two years in the first instance, but will be subject to a  
review during the second year when consideration will be given  
to establishing this post.

Applications are accordingly invited from:  
(a) career academics with particular interests in the law relevant  
to construction, engineering and the professions;  
(b) practising solicitors or barristers wishing to take up an  
academic career or a substantial period away from practice.  
Salary scale £10,558 - £20,469 plus £176 L.A. subject to age and  
experience.

Applications and further particulars can be obtained  
from Mr. J. Wrigg, School Administrator, Officer, School of  
Engineering, King's College London, Strand, London, WC2R 2LS Tel. 071 832 5454 ext.2787.  
Closing date for application is 22nd June 1990.

TELEPHONE  
071 481 4000

The Times Classified columns are read by well over a million of the most affluent people in the country. The following categories appear regularly each week and are generally accompanied by relevant editorial articles. Use the coupon (right), and find out how easy, fast and economical it is to advertise in The Times Classified.

THE WORLD FAMOUS  
PERSONAL COLUMN,  
INCLUDING RENTALS,  
APPEARS EVERY DAY.

## MONDAY

Education: University  
Appointments; Prep & Public  
School Appointments.

Educational Courses.

Scholarships and  
Fellowships; Book editorial.La Crema de la Crema and  
other secretarial appointments.

TUESDAY

Legal Appointments:

Solicitors.

Commercial Lawyers. Legal  
Officers. Private and Public  
Practice with editorial.

## WEDNESDAY

Creative & Media Appointments: Media  
and Marketing with editorial.La Crema de la Crema and other  
secretarial appointments.

Executive Crema for senior P.A.

and secretarial position.

Executive, Residential, Town & Country,  
Overseas, Rentals, Commercial Property  
with editorial.

Antiques &amp; Collectables (Monthly) with editorial.

THURSDAY

General Appointments: Banking and  
Accountancy, Engineering, Management, etc.La Crema de la Crema and other  
secretarial appointments.

Science and Technology: Technology with editorial.

## FRIDAY

Motors: A complete car  
buyer's guide with editorial.

Business to Business:

Business opportunities.

Yachts, Boats and Planes

Gardening.

SATURDAY

Overseas and UK Holidays:

Villas/Cottages, Hotels,  
Flights, etc.Restaurant Guide: Where to  
eat in London and nationwide  
with editorial.Shopping: Window  
shopping from the comfort  
of your own home.

Gardening.

Fill in the coupon and attach it to your advertisement, written on a separate piece of paper, allowing 28 letters and spaces per line. Rates are: Lineage £5 per line (Min. 3 lines only first word in bold); Boxes Display £27 per single column centimetre (Min. 3 centimetres); Court and Social £9 per line. All rates are subject to 15% VAT. Telephone our Classified Advertising Department on 071-81 4000 between 9am-6pm Monday to Friday, 9.30am-1.00pm Saturday, late evening 7.30pm on Wednesday, or send to: Pamela Hamilton-Dick, Group Classified Manager, Times Newspapers Ltd, P.O. Box 984, Virginia Street, London E1 9DD.

Name \_\_\_\_\_  
Address \_\_\_\_\_

Telephone (Daytime) \_\_\_\_\_  
Date of insertion \_\_\_\_\_

(Please allow three working days prior to insertion date.)

USE YOUR CREDIT CARD

PROPERTY BOOM  
TO £55,000

Our Client, a leading City firm, has one of the best commercial property departments in the country. Even in the current market, it is receiving an ever increasing number of instructions on high quality transactions from leading developers and investors.

The department's work embraces all aspects of commercial property advice including sale and purchase, leasing, development, funding and joint ventures which demand the attention of lawyers of the highest calibre.

The department requires 3 more such lawyers, with at least 3 years' post-qualification experience, a practical approach and, ideally, development experience. They will be offered a highly attractive salary and benefits package and excellent prospects.

For further information, please contact **Jonathan Brenner** on 071-405 6062 (081-958 1936 evenings/weekends) or write to **Quarry Dougall Recruitment**, 9 Brownlow Street, London WC1V 6JD.



QUARRY DOUGALL

UNITED KINGDOM · HONG KONG · NEW ZEALAND · AUSTRALIA

## Assistant Company Secretary

Major PLC

London, W1

To £35,000 + bonus + car  
Ideally you are a solicitor and Chartered Secretary. You must have significant company secretarial experience preferably gained at PLC holding company level including experience of acquisitions. A general understanding of pensions and insurance is desirable, although their day-to-day administration is dealt with elsewhere. A flexible approach, high professional standards and a stable track record are essential.

Salary is for discussion as indicated. Benefits include a management incentive scheme, car, pension, free lunches and twenty five days' holiday.

Please write in confidence - with full career details to Christopher Warren-Smith, Ref: T20346, MSL Chartered Secretary, 32 Aybrook Street, London W1M 3JL.

MSL Chartered Secretary

## City/West End

## PLANNING £26,000 to £40,000 AAE

This is an excellent opportunity to join a recognised London firm's major planning department which enjoys considerable prestige. Applications are invited from candidates with one or more years' experience in this challenging field, whether in private practice or with a local authority.

EMPLOYMENT £35,000+  
A major Central London practice wishes to appoint an additional solicitor with some good relevant experience to join its established employment department, handling both contentious and non-contentious matters.

## Commerce/Industry £AAE

SHIPPING  
A leading P & I Club has an exciting opportunity for a young solicitor or barrister with some practical experience or academic training in maritime law. Genuine interest, good communication skills, command of at least one foreign language and willingness to travel abroad are essential.

## 90 Qualifiers

Our clients include a complete range of practices in London and throughout the country. They are already recruiting applicants qualifying this autumn. Those with sound academic records and good all round experience in articles are particularly in demand. Contact us in strict confidence for informed advice and help in finding an appropriate position and in making the right decision.

## Law Personnel

Staff specialists to the legal profession worldwide  
95 Aldwych, London WC2B 4JF Tel: 071-242 1281  
(answerphone after office hours)

## HORIZONS

# Teachers to the brave English newcomers

**Linda Steele explains the qualifications needed and the rewards of teaching our mother tongue to foreign students in Britain**

in demand as the field becomes more professional. Some teacher-training courses — one-year PGCE for graduates, or Bachelor of Education — offer TESL/TESOL modules. The advantage of this route is that, with qualified teacher status, work in schools, as well as in adult and further education, is possible. A few local education authorities, such as Hounslow in west London, offer mainstream schoolteachers in-service TESL training or the chance to study for a postgraduate diploma.

There are serious drawbacks to the profession. Most posts, especially in adult and further education, are badly paid and part-time. The lack of a proper career structure and senior posts is a source of frustration.

**D**emand for ESL teachers shows no sign of abating, with a growing number of bilingual and multilingual British children coming into the education system. The single European market may offer more opportunities. Greater mobility in the labour market could mean an increasing number of European workers needing language support at work and on courses in this country.

English is the lingua franca of business and communication, so the chances of working abroad are increasing. Someone who wants only to teach abroad should consider a TEFL rather than a TESL qualification.

• Further details: *Natecia Hall Green College, Birmingham B3 3SU. Graduate Teacher Training Registry, 3 Crawford Place, London W1H 2BN.*

A teacher of English as a second language may be working with students who have had to flee their country in fear of their lives, leaving behind friends and family. "Yes," says one teacher, "they are so resilient, dedicated and optimistic. I feel privileged to be working with them."

Refugees or not, it is the students and their commitment to learning which make Teaching English as a Second Language (TESL) worthwhile for many teachers. Toni Kastelanides, former Inner London Education Authority education officer, says TESL in schools is "highly rewarding because most pupils are highly motivated".

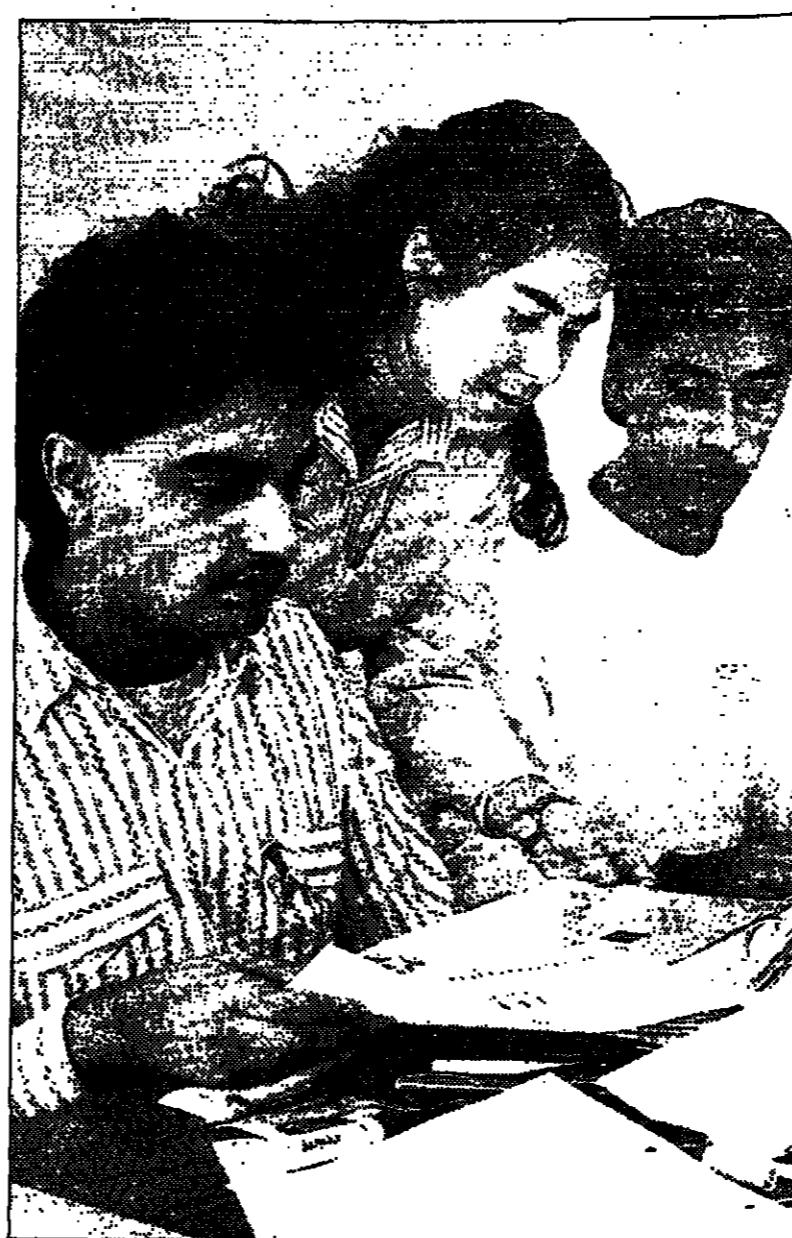
Teaching English to Speakers of other Languages (TESOL) — as it is increasingly being called — takes place mainly in school and adult and further education colleges. Most of the jobs are in London and metropolitan areas where there is a high concentration of ethnic minorities. All students speak a first language other than English and are living in this country permanently.

There the uniformity ends: an English as a Second Language (ESL) adult education class could include a Vietnamese peasant farmer and a Pakistani economics graduate. In schools, pupils are increasingly likely to be second or third generation immigrants who speak their mother tongue at home. Ann Spiers of Natacia, the TESL professional association, considers the diversity is positive: "It is the most stimulating kind of teaching because you have to respond to people as individuals."

Learning English is seen as an enabling process, rather than an end in itself. In schools and further education establishments, especially, collaborative work with a teacher in a mainstream class is common. The aim is to ensure that the subject is comprehensible to students. An ESL teacher may, for example, make suggestions about the type of language used in lessons. Withdrawing students for language classes is increasingly rare, except as a follow up to mainstream lessons or if they have virtually no knowledge of English.

Voluntary work in adult education institutes is a common route into TESL in adult and further education. Although unpaid, it at least offers a taste of what the job entails. Those with teaching experience — perhaps Teaching English as a Foreign Language (TEFL) to students living abroad — may be offered paid work.

Once in service, teachers should consider formal training, such as the Royal Society of Arts initial certificate or diploma. Qualifications are increasingly



Lifting the veil of language: Sabine Gupta at work in east London

## Poetry lessons help to soothe the refugees

SABINE GUPTA realized that she had returned seven days late to her Sri Lankan polytechnic job only when a week's pay was deducted. Holiday dates had changed but all the information was in Sinhalese. "It was a good learning experience", she says, smiling. "I understood what it felt like to be denied access, because yours is not the main language, to information you need."

A graduate in German, Miss Gupta did a teacher training course specializing in Teaching English as a Second Language (TESOL) and taught in Sri Lanka with Voluntary Service Overseas for two years, which she described as "an enjoyable and valuable experience". After two more years teaching in a state-run college in West Germany, she returned and studied for an MA degree in TESOL at the Institute of Education.

In 1988, after English as a Second Language (ESL) work at a secondary school in Croydon in south London, she began her current job as a lecturer in English as a Second Language (ESOL) at Newham Community College in east London at £13,000 a year.

Through her post is full-time, she says that "in this country, you have to be prepared to start as a part-time lecturer. It is hard work for little money" although teachers can earn about £12 an hour in London.

A lot of her work involves "team teaching". She believes language support in mainstream classes is crucial — but providing it can be difficult.

Last year, she taught basic language skills to some Somali refugees. "I tried to approach it via their outside needs," she says. "We did some work on poems about arriving in the country which they could relate to their own experiences."

071-481 1066

## PUBLIC APPOINTMENTS

071-481 1066



### SOCIAL SERVICES DEPARTMENT DEVELOPING SERVICES FOR THE NEW DECADE

The centrally based Policy Review and Development Unit is responsible for the development of coordinated and coherent policies of service provision. We require:

#### Development Officers (2 posts)

£15,801-£17,289

These posts are concerned with the implementation and review of policies. One post will focus on developing services for older children and young people, either leaving care or having contact with the Juvenile Justice System. The second post focuses on developing aspects of our policies for people either experiencing or recovering from a mental illness. Both posts will involve helping the Department to implement the Community Care White Paper and the Children Act. These posts will provide ideal career development opportunities for people wishing to acquire development and planning skills, since secondment from these posts to other areas of the Department will be offered as work programmes mature. Successful applicants will require:

- a commitment to quality services and consumer choice
- to develop analytical skills
- wide knowledge of service provision/trends
- report writing skills
- ability to work collaboratively with good communication skills
- an appropriate qualification
- a strong commitment to the implementation of equal opportunities policies

A generous relocation package including car loan / leasing facilities is available.

Information packs and application forms can be obtained by telephoning the Personnel Section on 0642 246945 — direct line. The closing date for return of completed applications is Friday, May 25, 1990.

We are working towards equality for women, black people and people with disabilities. All applicants who have the support of the Disablment Resettlement Officer will be granted an interview.

### KILBURN COLLEGE

#### HEAD OF FINANCIAL SERVICES

£16,803-£17,982 p.a. inc.

Applicants should either be a Member of the Association of Accounting Technicians (MAAT) or have made substantial progress towards obtaining the qualification of one of the Chartered bodies i.e. CACA, CIMA, CIPFA. Relevant employment experience in a post of responsibility is essential.

Application form and job description from Kilburn Polytechnic, Priory Park Road, London NW6 1YB returnable by 1st June 1990. Tel: 071-328 8241. Please quote ref: E/1214.



Brent THE Equal Opportunity Employer welcomes applications from all sections of the Community. Job sharers welcome.

### GREENWICH AND BEXLEY FAMILY PRACTITIONER COMMITTEE

#### Vacancy for Divisional Manager for Service Development and Planning.

SALARY £27,400

+ performance related pay + lease car

The Greenwich and Bexley Family Practitioner Committee is responsible for managing the services provided under NHS arrangements by general practitioners, dentists, pharmacists and opticians.

As part of the Government's plans to enhance the FPC's managerial role by the introduction of business practices, Greenwich and Bexley FPC intends to make a new appointment of a manager to plan and develop family health services in the area in collaboration with the two District Health Authorities, Local Authorities and the Voluntary Sector, to ensure the most effective provision possible of primary health care.

Responsible for developing strategies for resource allocation and quality assurance, the successful applicant will be uniquely placed to stimulate and negotiate changes in service delivery to general public.

The appointee will not necessarily have a background in the NHS (though this could be an advantage) and will report directly to the Chief Executive.

For further details contact Shells Loft on 081-300 3303 ext 203.

Written applications to Chief Executive, Greenwich and Bexley Family Practitioner Committee, Marlowe House, 109 Station Road, Sidcup, Kent DA15 7EU by first post on 8 June 1990.

## Internal Auditor

Up to £18,311 + Car

Save the Children Fund is the UK's largest international children's charity with major programmes in 50 countries and a well established project base in the UK.

To finance our work we depend on support from the general public, volunteers in over 800 local branches in the UK, business, local authorities and central government.

The Internal Audit department is instrumental in recommending new procedures to improve the Fund's financial systems and controls. Working with the Senior Internal Auditor, you will be responsible for financial and operational audits within all areas of our activities.

You should be at least a part qualified Chartered Accountant with a minimum of 3 years' audit experience. Self-motivated, you must have the tact and diplomacy to work effectively with volunteers and non-accounting colleagues. Good communication skills are, therefore, essential. The post involves frequent travel within the UK and occasionally overseas.

In addition to a salary of up to £18,311 for a 35-hour week, benefits include a car, 25 days' holiday and contributory pension scheme.

Please write for further details and an application form to Wendy Gay, Personnel Officer, SCF, 17 Grove Lane, London SE5 8RD. Closing date: 31st May 1990.

SCF aims to be an equal opportunities employer.

Save the Children

### SUTTON HOUSE COMMUNITY SCHEME FULL-TIME FUNDRAISER

£16,500

Sutton House is the oldest surviving domestic building in London's East End — in the heart of the inner city. It is a very different National Trust property. A Community Scheme which will restore Sutton House's architectural, social and cultural importance to both local and wider communities is now planned.

We need a Fundraiser whose flair, drive, experience, dedication and imagination can help us make these plans a reality — our initial appeal will be for £600,000. In return we can offer an involvement in a unique National Trust project, combining history, the arts, commerce, and PR. Your direct contribution to the locality will be immense. The Fundraiser will report to the Sutton House Local Management Committee and work as a National Trust employee.

For further details and an application form (to be returned by May 25), write enclosing large s.a.e.:

Robin Mills, The National Trust, Hughenden Manor, High Wycombe, HP14 4LA.

### WEST SUSSEX FAMILY PRACTITIONER COMMITTEE

#### BUDGET MANAGER

Salary: £20,110

This is a newly created post for an ambitious, enthusiastic and motivated accountant to work directly to the Director of Administration and Finance in implementing new financial initiatives in the Primary Health Care Field.

The post holder will play a key role in establishing sound budgeting systems and controls, the development of management accountancy, financial planning and financial services, including internal audit.

If you have the qualities, energy, enthusiasm and ability to meet these targets, informal enquiries will be welcomed by Bernard Dowling, Director of Administration and Finance, on 0243 781441 Ext 129.

For a job description and further information please contact Nicky Channon, Personnel Officer, West Sussex FPC, 175 Boyle Road, Chichester, PO19 4AD. Applications in CV to Mrs. Channon at this address. Closing date: 25 May 1990.

We are an Equal Opportunities Employer.

### LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE ADMINISTRATIVE POSTS IN THE FINANCE OFFICE

Following re-structuring the following posts are available immediately.

#### RESEARCH CONTRACTS OFFICER

(Ref F01) Salary not less than £22,551 (under review), with deputy financial officer status.

Qualified and experienced to manage income, currently SMT from grants and contracts, the senior officer will negotiate on behalf of grants and contracts holders, introduce a costing system which delivers good indirect costs recovery, and office systems which ensure positive cash flow management together with timely reporting by academic investigators. Candidates for this challenging position must have a proven management record, particularly relevant accounting skills and be computer literate.

#### ASSISTANT RESEARCH CONTRACTS OFFICER

(Ref F02) Salary not less than £19,095 (under review).

The Assistant Research Contracts Officer will be responsible for the day-to-day operation of the Contracts Office and for providing academic investigators with regular and detailed budgetary control information. Candidates must have a proven administrative record employing accountancy skills in a computer-oriented environment.

#### ASSISTANT FINANCE OFFICER

(Ref F03) Salary not less than £14,846 (under review).

The Assistant Finance Officer will manage the main accounts office, administer the School's insurances, provide assistance with preparation of estimates and budgets and provide cover for the Payroll and Pensions Officer. Applications are invited from part-qualified accountants (study leave provided).

Further particulars from the Personnel Officer, LSHTM, Keppel Street, London WC1E 7HT, telephone 071-638 6836 or 071-638 6839, quoting reference F01. Applications should be submitted by 4 June 1990. Applications (no forms) should include a full career record and the names and addresses of three referees who may be approached immediately.

### LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (University of London)

#### CHAIR IN HEALTH POLICY DEPARTMENT OF PUBLIC HEALTH AND POLICY

The London School of Hygiene and Tropical Medicine is one of the world's premier institutions in the fields of public health and tropical medicine. It is currently undergoing major restructuring and reform.

This new strategy embraces exciting initiatives in the Department of Public Health and Policy, one of the four large multi-disciplinary departments in the School, under the direction of Professor Patrick Vaughan, Head of Department. The Department plans an expansion of its activities during the 1990's, particularly with regard to Europe, focusing on health policy, and the evaluation of health and health programmes.

The Department encompasses five research units working on health policy, health services research, health promotion and prevention, human nutrition, and environmental health. It is responsible for the organisation of our Master of Science degrees and it has a large PhD research degree training programme. The Department has close links with the National Health Service and it has both national and international health activities.

This new chair has been created in order to lead and build the Department's teaching and research in health economics during the 1990's, particularly with regard to health economics in Britain and the rest of Europe. The post holder will have a strong background in multi-disciplinary staff, and will take a lead in establishing new research programmes.

Applicants are invited to telephone Professor Patrick Vaughan on 071-638 6836 for an informal discussion. Formal applications should be sent to the Personnel Officer, LSHTM, Keppel Street, London, WC1E 7HT, from whom further particulars may be obtained. Closing date 11 June 1990.

### LEGAL

#### NORTHUMBERLAND COUNTY COUNCIL An Equal Opportunities Employer

COUNTY SECRETARY AND SOLICITOR

Salary Package to £24,000

This new role will play a major part in the future development and strategy of the Council with 2 key elements of responsibility. Firstly to the Council for all legal and secretarial services traditionally associated with the position and secondly as one of the three Executive Officers charged with the responsibility of undertaking the functions of Chief Executive. Managerial responsibility will embrace Personnel and Management Services, Public Relations and Emergency Services Planning. You will act as County Returning Officer. Your responsibilities will be wide ranging and it is expected that you will be a practising solicitor qualified in English law of at least 10 years or more standing. Managerial ability will be demonstrated by at least 3 years experience at 2nd tier or 3rd in a large authority gained in a relevant department of a County, Metropolitan or large Shire District.

For more information contact Mrs Helen Moore, tel: 0670 514343, ext 3159.

Application forms to be returned to Mrs Helen Moore, Personnel Division, County Hall, Morpeth, Northumberland NE61 2EF returnable by 25.5.90.

All suitably qualified and experienced disabled applicants will be interviewed.

### CITY University

#### Dean of School of Informatics

The new School of Informatics, to be established from August 1990, brings together Computer Science, Software Reliability, Information Science and Business Systems Analysis. It will form one of the largest groups in computer studies within the UK higher education system. The Dean will lead the expansion of the School's activities, which form a major part of the University's plan for development.

This is a key post and salary will be by agreement.

Details and an application form are available from the Academic Registrar's Office, City University, Northampton Square, London EC1V 0HB. Tel: (071) 253 4399 ext 3035. Please quote reference: DSI/1. We are an Equal Opportunities Employer.



Sally Jones puts the new sport of indoor polo to the test in its first tournament in Britain

# A game of grace moves indoors

THE Grace family from Berkshire have just staged the first big indoor polo tournament in Britain and the game looks likely to catch on here, as it has in the United States, where it is already well established.

Peter Grace, a former New Zealand international show jumper, who founded the Rangitiki polo school 17 years ago, has pioneered indoor polo, an informal three-a-side version of the outdoor game, for the past three years with the help of his daughters, Jane, Pipa, Victoria and Katie, known, of course, as the Amazing Graces.

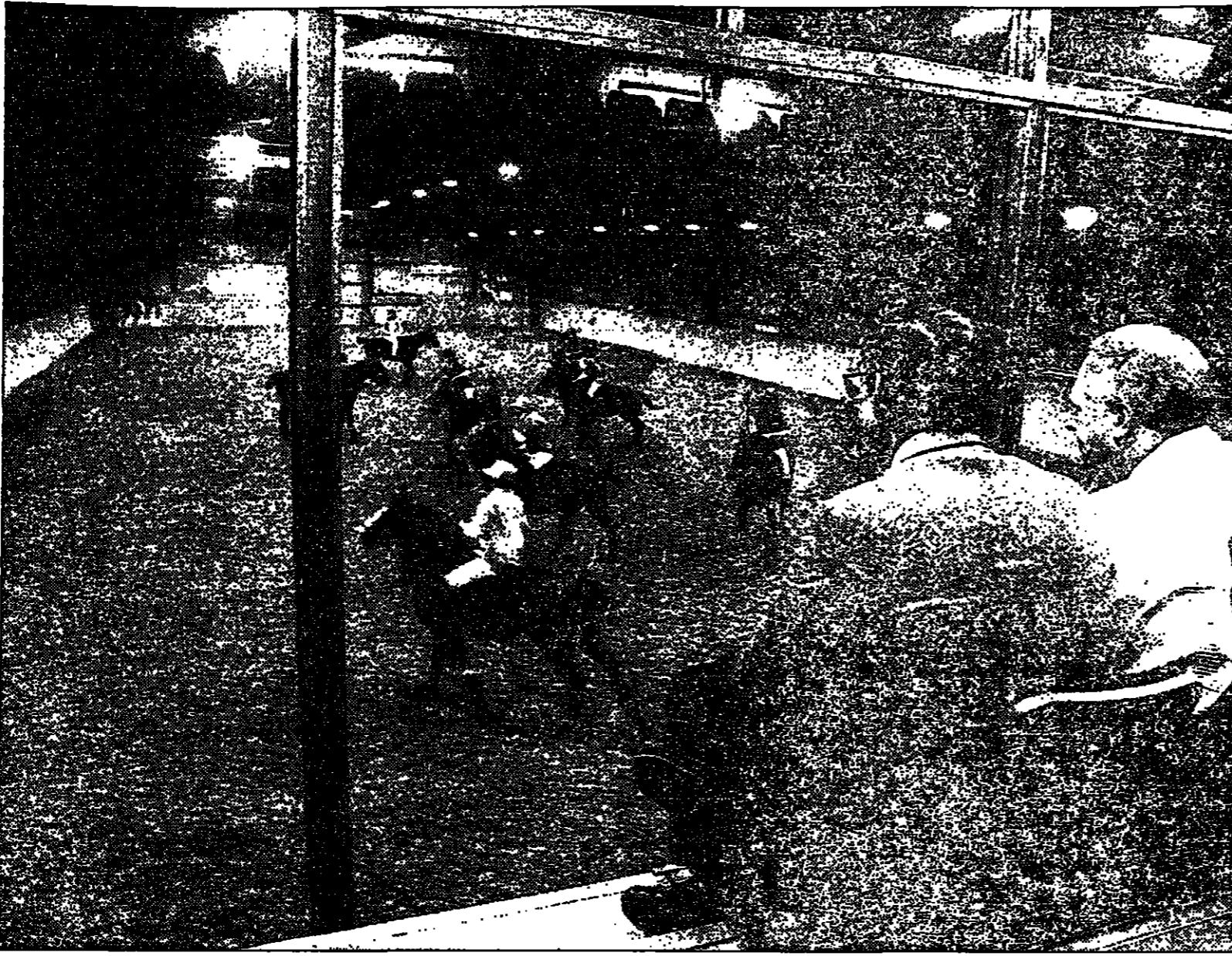
It was originally intended to help ponies and riders keep fit over the winter, but has proved so popular, particularly with beginners, who find the slightly slower pace and larger ball easier to handle, that, given sufficient media coverage, it could become a popular sport in its own right.

The tournament at the spacious Blewbury arena, near Didcot, featured five teams of widely differing standards, from women beginners, including your correspondent playing her first ever competitive chukkas, to stars like Murad Ismail, the son of a polo-mad Pakistani diplomat, and the American, Stewart Copeland, a gaunt, driving-looking man, who was the drummer with the rock group, Police, and is the son of Miles Copeland, of CIA fame.

Both Ismail, a professional, and Copeland learnt their polo in America, Ismail on the college circuit where he became a four-hander indoor. Because of the differing techniques, players can be high goalers at indoor polo and relative novices outdoors.

In the 60yd x 30yd arena, tight turns were vital, as was a calm, unflappable pony who could be induced to canter close to the boards when the 8in-diameter rubber ball rolled into the side.

In the first game, cleverly orchestrated by the elegant Peter Grace, three novices on each side were leavened by two experienced players who could pass but not shoot. Even so, amid all the adrenalin and hurly-burly, it seemed a little like prep school rugby, with



Horse play: spectators are given a rare close-up view of polo at the meeting indoors of Rangitiki and Westcroft Park at Blewbury Arena

everyone charging after the ball at once.

The main matches were a different matter, with the accomplished Grace sisters taking turns in one team and proving beyond doubt the folly of Major Ronald Ferguson's chauvinist allegations in the recent controversial "Cutting Edge" documentary that "polo is no game for a woman."

Victoria is the second-ranked woman in Britain, behind Clare Tomlinson, while Pipa and Jane are not

far behind, all three competing with verve and precision and effectively "riding off" much heavier male opponents, the polo equivalent of a shoulder charge, to throw an opposing pony off the line of the ball.

As Murad Ismail observed after one bruising encounter: "These girls are brilliant riders and they can compete on equal terms with most men."

Major Ron just doesn't know what he's talking about. I rang Channel 4 to tell them what a load of rubbish the programme was. Real polo

Despite some reservations,

isn't a bit like that." Certainly, the down-to-earth friendliness of the event seemed a world away from the ritzy atmosphere of clubs like The Guards and the Royal County of Berkshire.

Stewart Copeland agreed, and he explained: "It's a bit unnatural, but very enjoyable and a great way to keep fit, especially during the English winters."

The best of the beginners,

Caroline Anquetil, an aromatherapist in her forties, admitted that she had taken up polo as a total change from her sedentary job.

"It's great fun," he said after his first taste of the sport.

"The crowd really gets involved because all the action is so close."

Given their form indoors,

which costs me £85. It's incredibly exhilarating and just hitting the ball into the goal gives me a high for the rest of the week."

The Graces meanwhile are trying to get the game more television coverage and looking for a sponsor to help them build an indoor arena nearer to their Sunningdale base, as well as backing their all-women polo team in time for the outdoor season.

Given their form indoors, the sisters should be a force to be reckoned with.

## MOTOR RACING

### Renault's champagne taste points to a vintage season

From John Blundsen, Imola

SATISFACTION. Patrese's success was in no sense a win by default.

Admittedly, Senna's early exit, when one of the rear wheels on his McLaren-Honda split, removed the pre-race favourite. But throughout practice and qualifying, Berger had been, to all intents and purposes, his equal, so close were their lap times; with his car in race trim, Berger found his match in the two Williams. But for the troublesome gearbox which caused Boutsen to select the wrong gear and over-rev his engine, the Renault-powered cars might well have finished first and second.

Although a minor setback for Marlboro-McLaren, Sunday's result has given a much-needed tonic to Formula One. It means that the season's first three races have been won by different teams — McLaren, Ferrari, and now Williams — while the pace of Nannini's Benetton-Ford, especially during the closing laps, was proof enough that here, too, is a team which is making substantial progress.

Ferrari left Imola disapp-

pointed that they did not manage to lead the race, let alone win it. But Mansell had been playing it very coolly, conserving his soft tyres, and was looking a potential winner before his engine finally let go. This is not the first time this year it has done so, but Sunday's trouble could well have been aggravated by the two high-speed trips he had to make over kerbs and onto the grass, through no fault of his own. Also, Ferrari made no secret of the fact that the engines they used were not the definitive 1990 specification. They may not be seen until the French Grand Prix in early July.

That was when they expect to be able to make their biggest impact on the season. If they are right, 1990 could be shaping up to a vintage season — and not before time.

WORLD CHAMPIONSHIP POSITIONS: Drivers: 1, A Senna (Br); 13, Piquet (Br); 2, G. Berger (Br); 3, J. P. Massé (Cdn); 4, M. Mansell (Br); 5, S. Nannini (It); 6, S. Boutsen (Bel); 7, A. Pitot (Br); 8, A. Boutsen (Bel); 9, S. Alén (Fin); 10, S. Nakajima (Jpn); 11, J. Villeneuve (Cdn); 12, J. P. Jarier (Fr); 13, J. P. Jarier (Fr); Constructors: 1, McLaren-Honda; 2, Williams-Renault; 3, Benetton Ford; 4, 5, 6, Tyrrell Ford; 7, 8, 9, Brabham Ford; 10, 11, 12, 13, Williams-Renault.

BROWN, national champion in men's doubles, was left out of the men's Thomas Cup team which qualified from the European zone in February, but was included in the team announced yesterday after Andy Goode and Andy Fairhurst both reported unfit.

Brown, aged 33 and from Yorkshire, got the vote with just three days remaining before England's acting manager, Ciro Cingolani, had to nominate his squad, and only after Cingolani had spent 48 hours attempting to track down Brown, who was competing in Spain.

Another surprise is the nomination of Nore Perry, the world doubles champion in 1980. However, this is merely a precaution. Perry's exact role will be as Cingolani's assistant, with responsibility for the women's Uber Cup team, which may have an outside chance of a medal despite the absence of Sara Sankey.

Simon Cowell's surprise win in the open on Forestown completed a double. Earlier, he had to pull out all the stops to get Auld Jake, the 5-2, on favourite for the members' home by half a length from Draper's Pinnacle.

However, she was not foot-

perfect when running on gamely to win by half a length at Larkhill last time out and her owner-rider, Jonathan Sprake, was unseated in her previous race at Nedge.

## BADMINTON

### Brown is recalled for finals

By Richard Eaton

MIKE Brown, the subject of a petition from fellow players after his omission from England's Commonwealth Games team, has been included in the squad for the finals of the Thomas and Uber Cups, as well as backing their all-women polo team in time for the outdoor season.

Given their form indoors,

the sisters should be a force to be reckoned with.

## STUDENT SPORT

### Estonia accepts invitation

By Michael Coleman

ESTONIA is among the countries that have accepted an invitation from the modern pentathlon club at Cambridge University to an international students' contest in Britain from June 28 to July 2.

The other countries competing include Finland, Sweden, Hungary, France, Canada and Australia. Together with British competitors, a total of 48 men and women will take part in the largest event of the year.

I am fascinated by Wright. Does he say such things because he knows how good he is, or does believing his words enable or even make him play so well? All will be revealed on Thursday when the two teams have to start all over again.

Five sports might seem an insuperable obstacle for full-time students to handle, but the steady growth of interest is there. The sport's total lack of

financial reward and, hence, freedom from commercial pressure, may be attracting those all-rounders who feel that the triathlon, for instance, has become tarnished.

Ben Mays, one of the organisers, said: "The colleges are being very supportive as regards accommodation and food for our 30 competitors. We can use the university riding club's horses. But we shall still face a bill of about £1,000."

The men's team of Ward (Sheffield University), Inman (Trent Polytechnic), Foster (Nottingham University), Bourne (Cambridge University) and Trowman (Staffordshire Polytechnic) will all compete in their first world student event.

Lamb writes). Hague, twice British student champion, has competed in three world championships, with a best position of thirteenth. Edinburgh University ladies have claimed four of the five available places, with Bolland, Bryan-Jones and Boyd joining Hague along with James, from Cambridge.

The men's team of Ward

(Sheffield University), Inman

(Trent Polytechnic), Foster

(Nottingham University), Bourne (Cambridge University) and Trowman (Staffordshire Polytechnic) will all compete in their first world student event.

## HOCKEY

### Hornets founder dies

By Sydney Friskin

LEONARD (Jonah) Jones, a distinguished personality in English and international hockey, died in London on Saturday at the age of 82.

He also managed British teams in the Twelve Nations Tournament at Hamburg in 1966 and the Eight Nations Tournament at Madrid in 1967.

Before becoming a vice-president of the Hockey Association from 1969, Jones was honorary match and fixtures secretary from 1957 to 1960. He was a member of the Public Relations and Press Committee of the FIH and served for many years on the FIH council.

He was a vice-president and long-standing member of the Tulse Hill (Chester), Rotherham (Sheffield), B. Smith (Preston), D. Spencer (Lancs) and

He leaves his wife, Jane, and daughter, Susan.

## CYCLING

### Two chances for Milk Race hopes

By Peter Bryan

BRITAIN will pin its Milk Race hopes on a mixture of experience and youth when the 1200-mile am-pro event starts in Penzance on May 27. There are two national squads among the line-up of 17 teams for the race, which lasts a fortnight and ends in Liverpool. Great Britain, led by the British road champion, Dave Cook, of Darlington, who will be racing on home roads for the first time this year, and Britannia, whose natural leader could be Brian Smith, the Scottish winner of the Lincoln Grand Prix on Sunday.

Riders as young as Stephens and Hemphill would normally make the national team for an event as hard as the Milk Race, but Britain's coach, Doug

Cook's in France, and Simeon Hemphill, whose selection was clinched by an outstanding third place overall in the Lancashire Enterprises four-day.

Stephens is a strong climber and the Milk Race course will certainly offer plenty of opportunity for him to achieve his potential. Hemphill has a different talent: he is one of the fastest sprint finishers among the amateurs. He reached the world junior road race in 1987.

He was a vice-president and long-standing member of Tulse Hill (Chester), Rotherham (Sheffield), B. Smith (Preston), D. Spencer (Lancs) and

He leaves his wife, Jane, and daughter, Susan.

## SPORT ON TV

### MOTOR SPORT

Europcar 8-9pm: See

Motor Grand Prix 8-9pm: 11pm: 1st NASCAR 500 from Alabama.

RACING 24-25 4-30pm: 23, 25, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 4

# Sardegna to strengthen Oaks claim

By Mandarin

(Michael Phillips)

THOSE looking for a filly capable of beating the 1,000 Guineas winner Salisbilly in the Oaks at Epsom next month would do well to take a keen interest in the Tattersalls' Musidora Stakes at York.

The field of five includes three — Sardegna, Berry's Dream and Ivrea — who feature prominently in the ante-post betting list on the filly's classic, none more so than Sardegna, who is now the second favourite following that victory in the Pretty Polly Stakes at Newmarket earlier this month.

What impressed me about Sardegna that day was the way that she quickened from last to first in the closing stages of what had been a slowly-run race.



Lady Herries, who trains the fancied Jingsa

What disappointed me, especially with Epsom in mind, was the way that she hung to her right when racing down Bush Hill, but as York is a flat

track there should be no problems on that score.

Meeting Berry's Dream on 7lb worse terms for a fraction more than a three-length beating at Newmarket, looks the principal problem, especially as in The Groove, who finished a close second in the Neil Gwyn Stakes on her seasonal debut, now has something to prove again after beating only two home in the 1,000 Guineas.

By taking a line through Katsina, who finished about 1½ lengths behind Sardegna in the Pretty Polly Stakes, Ivrea is anything for a forlorn hope for her to easily account for Katsina when they met at Newmarket.

Orvieto, who turned a maiden into a procession at Lingfield only last Saturday is taken to defy a 5lb-penalty when he reappears quickly for the Soothery's Sledmere Handicap even though it is arguably the most open race on the card.

After burning the midnight candle studying the Paul Caddick And MacGill Sprint Trophy, my conclusion is that Duckington, who was beaten only a neck by Restore in the race 12 months ago, has a marginally better chance than Gentle Hero, who caught the eye when fifth behind Arvee at Newmarket.

Orvieto, who turned a maiden into a procession at Lingfield only last Saturday is taken to defy a 5lb-penalty when he reappears quickly for the Soothery's Sledmere Handicap even though it is arguably the most open race on the card.

## 3.40 TATTERSALLS MUSIDORA STAKES (Group III: 3-Y-O fillies: £23,675; 1m 2f 110yd) (5 runners)

301 (5) 1-6 BERRY'S DREAM 12 (GB) (Cosmopolitan Ltd) R Armstrong 8-0... W. Carter 25  
2-2213-5 IN THE GROOVE 12 (GB) (Cosmopolitan Ltd) R Armstrong 8-0... R. Cochrane 25  
303 (3) 1-1 IVREA 211 (F) (Shah Mohammed) M Stoute 8-0... W. R. Swinburn 21  
304 (1) 6-2 ORIENTAL MYSTIQUE 13 (F) (Samper) H. Neale 8-0... P. Eddie 23  
305 (4) 1-1 SARDENA 12 (GB) (Lord Hesketh de Winstanley) H. Codd 8-0... S. Companion 23

BETTING: 10-11 Sardegna, 5-2 Katsina, 7-2 In The Groove, 9-2 Berry's Dream, 20-1 Oriental Mystique.

1989: SNOW BRIDE 8-0 S Caudron 4-1 H. Codd 6-0

1990: SHOW BRIDE 8-0 S Caudron 4-1 H. Codd 6-0

1991: H. Codd 6-0

1992: H. Codd 6-0

1993: H. Codd 6-0

1994: H. Codd 6-0

1995: H. Codd 6-0

1996: H. Codd 6-0

1997: H. Codd 6-0

1998: H. Codd 6-0

1999: H. Codd 6-0

2000: H. Codd 6-0

2001: H. Codd 6-0

2002: H. Codd 6-0

2003: H. Codd 6-0

2004: H. Codd 6-0

2005: H. Codd 6-0

2006: H. Codd 6-0

2007: H. Codd 6-0

2008: H. Codd 6-0

2009: H. Codd 6-0

2010: H. Codd 6-0

2011: H. Codd 6-0

2012: H. Codd 6-0

2013: H. Codd 6-0

2014: H. Codd 6-0

2015: H. Codd 6-0

2016: H. Codd 6-0

2017: H. Codd 6-0

2018: H. Codd 6-0

2019: H. Codd 6-0

2020: H. Codd 6-0

2021: H. Codd 6-0

2022: H. Codd 6-0

2023: H. Codd 6-0

2024: H. Codd 6-0

2025: H. Codd 6-0

2026: H. Codd 6-0

2027: H. Codd 6-0

2028: H. Codd 6-0

2029: H. Codd 6-0

2030: H. Codd 6-0

2031: H. Codd 6-0

2032: H. Codd 6-0

2033: H. Codd 6-0

2034: H. Codd 6-0

2035: H. Codd 6-0

2036: H. Codd 6-0

2037: H. Codd 6-0

2038: H. Codd 6-0

2039: H. Codd 6-0

2040: H. Codd 6-0

2041: H. Codd 6-0

2042: H. Codd 6-0

2043: H. Codd 6-0

2044: H. Codd 6-0

2045: H. Codd 6-0

2046: H. Codd 6-0

2047: H. Codd 6-0

2048: H. Codd 6-0

2049: H. Codd 6-0

2050: H. Codd 6-0

2051: H. Codd 6-0

2052: H. Codd 6-0

2053: H. Codd 6-0

2054: H. Codd 6-0

2055: H. Codd 6-0

2056: H. Codd 6-0

2057: H. Codd 6-0

2058: H. Codd 6-0

2059: H. Codd 6-0

2060: H. Codd 6-0

2061: H. Codd 6-0

2062: H. Codd 6-0

2063: H. Codd 6-0

2064: H. Codd 6-0

2065: H. Codd 6-0

2066: H. Codd 6-0

2067: H. Codd 6-0

2068: H. Codd 6-0

2069: H. Codd 6-0

2070: H. Codd 6-0

2071: H. Codd 6-0

2072: H. Codd 6-0

2073: H. Codd 6-0

2074: H. Codd 6-0

2075: H. Codd 6-0

2076: H. Codd 6-0

2077: H. Codd 6-0

2078: H. Codd 6-0

2079: H. Codd 6-0

2080: H. Codd 6-0

2081: H. Codd 6-0

2082: H. Codd 6-0

2083: H. Codd 6-0

2084: H. Codd 6-0

2085: H. Codd 6-0

2086: H. Codd 6-0

2087: H. Codd 6-0

2088: H. Codd 6-0

2089: H. Codd 6-0

2090: H. Codd 6-0

2091: H. Codd 6-0

2092: H. Codd 6-0

2093: H. Codd 6-0

2094: H. Codd 6-0

2095: H. Codd 6-0

2096: H. Codd 6-0

2097: H. Codd 6-0

2098: H. Codd 6-0

2099: H. Codd 6-0

2100: H. Codd 6-0

2101: H. Codd 6-0

2102: H. Codd 6-0

2103: H. Codd 6-0

2104: H. Codd 6-0

2105: H. Codd 6-0

2106: H. Codd 6-0

2107: H. Codd 6-0

2108: H. Codd 6-0

2109: H. Codd 6-0

2110: H. Codd 6-0

2111: H. Codd 6-0

2112: H. Codd 6-0

2113: H. Codd 6-0

2114: H. Codd 6-0

2115: H. Codd 6-0

2116: H. Codd 6-0

2117: H. Codd 6-0

2118: H. Codd 6-0

2119: H. Codd 6-0

2120: H. Codd 6-0

21

Touring team make winning start to their first-class fixtures by dominating an exciting final day at Worcester

# Wright leads New Zealanders home

By Alan Lee, Cricket Correspondent

**WORCESTER:** The New Zealanders beat Worcestershire by six wickets

IT HAS become a misleading habit of touring teams, even the successful ones, to slip on a few banana skins before finding their feet. England, when overseas, regularly have an early crisis and Australia, last summer, lost in two days at Worcester before beating England 4-0. But the 1990 visitors to these shores are evidently dispensing with such dramatics and have begun as they mean to go on.

In control throughout the final day of this fluctuating match, New Zealand won their opening first-class fixture with 7.1 overs in hand, and it would have been more but for an inconsiderate rain break. Vital batsmen made runs and vital bowlers took wickets so the Kiwis will travel to Taunton today in good heart.

They will not, however, be carried away. Outplaying the dual county champions is an undeniably good way to start a tour, but the bare details may flatter them. Worcestershire began the game without four international players and lost Hick early on day one. Nevertheless, they twice dragged themselves back from unpromising positions to expose some shallowness which the New Zealanders' management will be anxious to work upon.

Some of the batting in the first innings was grim and when Newport and Illingworth were embarked on their century stand on Sunday afternoon, there was a hint of helplessness about the bowlers.

With that said, this was still a fine game of cricket, eventually won by John Wright's

99. His was the third innings in the match to founder in the 90s. Another odd statistic, in a game generally dictated by the bowlers, is that only two partnerships exceeded 50 and both went on past 150.

The second of these stands was the decisive collusion of Wright and Franklin. By adding another 26 for their last two wickets, both taken by the ganging Millmow, Worcestershire set the touring team 245 to score for victory. Time was hardly a problem, with a minimum of 89 overs available, but the pitch retained some life and Wright was hit in the ribs and shoulder as he made an unconvincing start.

He is, however, that sort of player. Never elegant, seldom fluent early in an innings, Wright can simply survive in that weary, hangdog way of his and then, in the fullness of time, elect to make the game look a little less difficult.

Yesterday, he took just such a decision after lunch and, instantly, looked the world-class player that he is.

Wright brought up 100 with a cover-driven four off Weston. It was no more than a push but was measured with slide-rule accuracy and timed to perfection. Soon, he was setting about Radford in a manner which suggested he had heard a pretty accurate weather forecast.

It was McEwan who split the openers, by removing the passive partner, Franklin. He is one of those players who will have 50 against his name before anyone has noticed a single memorable stroke. Yesterday he was dropped twice and virtually ground to a halt after lunch. But his watchword is entrapment rather than

entertainment, and England must expect him to sell his wicket dearly.

Franklin edged to second slip and had the rare distinction of being caught by the same substitute fielder in each innings. Wright, by now, was into the 90s, and he began the last over before tea on 99. Illingworth beat him three times in the course of a maiden and then, after the break, dismissed him, Wright's heel flicking off the ball.

Rough justice, perhaps, but Wright's innings, which included 76 in boundaries, seemed to have settled the issue. The rain threatened briefly and Illingworth caused more problems, bowling over the wicket into the rough, but Rutherford survived.

**WORCESTERSHIRE:** First Innings 171 (R J Hades 30; P J Newport 6 for 54).

Second Innings

M Bent bowled 100; C M Morrison c Priest b Morrison — 7  
D B D'Olivera c Morrison b Hades — 24  
P K Rutherford c Crowe b Morrison — 74  
P J Newport c Rutherford b Priest — 58  
S R Lampard c Millmow — 30  
N R Radford c Hades — 1  
S R Radford b Millmow — 1  
S M McEwan not out — 0  
G A Hick absent hurt — 15

Total — 274

FALL OF WICKETS: 1-9, 2-21, 3-55, 4-59.

BOWLING: Morrison 15-2-60-3; Hades 2-17; Lampard 2-17; Priest 2-22.

**NEW ZEALANDERS:** First Innings 201 (R J Hades 30; P J Newport 6 for 54).

Second Innings

T J Franklin c Hades b Morrison — 50  
J G Wright hit wicket b Illingworth — 99  
A H Jones c Radford b Millmow — 9  
M A Germann c Morrison b Millmow — 26  
M R Priest not out — 16

Extras (4, 6, 15, w, 4, nb, 3) — 26

Total (4 wkt/s) — 245

J J Crowe, R J Hades, T J D S Smith, D K McEwan, P J Newport not out.

FALL OF WICKETS: 1-163, 2-172, 3-186, 4-203.

BOWLING: Radford 15-3-74; McEwan 17-3-89; Newport 15-3-82; Millmow 15-3-55; Weston 15-1-182.

Umpires: J H Hampshire and B J Meyer's



In command: Franklin, the opener, on his way to making a deceptively comfortable 50 at New Road yesterday

## Cup draw defies the odds

By Alan Lee

WITH the perversity which cup draws so often seem to attract, the four group winners in the Benson and Hedges Cup were yesterday all paired with their own runners-up in the quarter-finals, to be played on May 30.

Until this season, the competition rules did not allow for this contingency, a complication which caused high farce and red faces two years ago when the wrong balls kept coming out of the velvet bags when the draw was made live on radio.

During this debacle, Worcestershire drew three different opponents; they ended up with Hampshire, who beat them on the way to winning their first final, and the county champions will be hoping this is not an omen.

Yesterday they were drawn against Glamorgan, who have yet to reach the final of this competition or, indeed, either of the cups.

Arguably, only supporters of Worcestershire will not need reminding that theirs is the only other club which has never won a Lord's final, in their case

despite five attempts.

It is one of cricket's more extraordinary omissions and one which everyone at New Road is keen to correct this season.

Botham will be fit again by the date of the quarter-final, and his meeting with his former Somerset pal, Richards, will doubtless have popular appeal. Potentially more crucial to Worcestershire's chances of reversing last week's defeat by Glamorgan, however, is the ability of Hick to recover in time from a broken finger. He is believed to have marked out the match as his target.

There is a repeat of last year's final at Old Trafford, where the holders, Nottinghamshire, have already been crushed by Essex this season. Middlesex have a tricky tie at Taunton, where they must overcome the remarkable Cook of Somerset, and the surging form of their own old boy, Rose.

Just as attractive, in a draw full of fascinating possibilities, is the meeting of Lancashire and Surrey at Old Trafford. They were not on the best of terms after last week's record-breaking run out in the championship match at the Oval, and another high scoring game must be in progress now.

**QUARTER-FINAL DRAW:** Essex v Nottinghamshire (Championship); Worcester-  
shire v Glamorgan; Middlesex v Lancashire; Surrey v Old Trafford.

## Gooch and Stephenson feast as Essex spare no favours

By Jack Bailey

**CHELMSFORD:** Essex won the toss; Essex beat Zimbabweans by 71 runs

ESSEX paid the Zimbabweans the compliment of fielding a team which was within a whisker of being their most powerful: only Pringle and Hardie were missing. But, apart from lurching to 83 for four in the pale morning sunshine, Essex extended no further favours.

Gooch and Stephenson scored centuries as they added 175 runs, in harness and at the gallop, and the Essex attack, with Andrew taking the first four Zimbabwean wickets, never allowed the visitors within a mile of the 266 runs needed.

Defeat in their two initial limited-overs matches is not of itself a yardstick against which Zimbabwe's aspirations to become a Test match-playing country should be measured. The three-day programme that awaits them should provide a better guide. Pycroft made a gallant 62 but gone are the days

of Curran and Fletcher — not to mention Hick.

Better attacks than this would have been difficult in containing Gooch in this sort of form, however. He came in at the fall of the fourth wicket, by which time Stephenson was long established, and he dominated the scene as only he can. His fourth century of the season came from only 78 balls.

Stephenson has had a lean start to the season and his form in Zimbabwe last winter was nothing to write home about. His century here will have done him no end of good.

Zimbabwe were just as quickly in the toils against Andrew, who bowled accurately at a lively pace. James struck some shrewd blows early on.

Pycroft played well without ever looking as though he could get his side on terms with the asking rate and for all Breit's left-handed aggression, two fine catches in the outfield by Pycroft and steady bowling were all that Essex required.

## Love blooming at Harrogate

Club review by Michael Austin

JIM Love, released by Yorkshire last summer, has amassed more than 500 runs this season to take Harrogate to the top of the Yorkshire League with a maximum 72 points from three games.

Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tournament and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the

first round of the same tourna-

ment and began the defence of their Middlesex League title by drawing with Southamp-

ton. Love, aged 35, most recently scored a superb innings of 103 against Hull YPI in the Cockspur Cup.

Richmond achieved a 28-run win over Old Allettians in the



# SPORT

TUESDAY MAY 15 1990

## England move Barnes inside

By Stuart Jones  
Football Correspondent

JOHN Barnes will be England's lone experimental figure in the international against Denmark at Wembley tonight. The footballer of the Year will not be isolated on the left flank as usual but is to fill a more active central role as Gary Lineker's partner for the first time.

Barnes is moving inside into the unknown. He has been chosen to lead England's attack once before, with Kenny Dixon in Stockholm four years ago, but within 10 minutes he twisted an ankle and withdrew. Even at Liverpool, he has rarely been employed in the position from the kick-off.

He estimates that he has lined up there for no more than half a dozen matches, although he has occasionally drifted inside during the closing stages. Yet he relishes the prospect of being able to parade his talents in an area which is less confined. He is not alone.

Barnes is destined, perhaps forever, to be linked to his stupendous goal in Rio de Janeiro in 1984. The memory of his glorious run in the Maracana Stadium has remained so brilliant partly because he has yet convincingly to fulfil the potential which he showed in Brazil's backyard that golden night.

Opponents, instantly aware of the threat which he posed, have since securely imprisoned him. The last time England played against the Danes 11 months ago, for instance, one guard was posted in front of him to sever the line of communication and another lurked close behind him in case he escaped. He never did.

Sweden took note, used the same ploy in the World Cup qualifying tie three months later and were equally successful. Barnes has grown increasingly frustrated with lying on the periphery. He says that he would be prepared to act even as "an attacking central defender if it meant I'd be more involved."

Since Liverpool invariably dominate domestic fixtures, he has been given enough possession to satisfy his appetite. If his first five runs were halved, no matter. There would always be several other openings. During his international career on the flank, he has rarely set off on more than a couple. He will still be restricted, particularly as the Danes will protect themselves with a sweeper, but his roads to freedom should be wider and more numerous. He sees himself as Lineker's principal assistant but Bobby Robson is looking more for a twin spearhead.

"I want to see if Barnes can be lethal for us there," he said yesterday. England's manager has



Get a grip: Gascoigne is taken aside by Bobby Robson at yesterday's training session to hear what is expected of him

otherwise chosen a side captain) and Webb. Gascoigne, the inspirational figure during last month's 4-2 win over Czechoslovakia, is to be supported by another "stiffener", as Bobby Robson described McMahon.

"Let's see if Gascoigne can do it again," he added and pointed out that the sturdy platform built three weeks ago has not been dismantled.

Waddle, released for the game by Marseilles, has reclaimed his place on the right from Steven but Hodge will again be patrolling industriously on the left.

The options were reduced once Parker and Wright were considered unavailable because of injury but Bobby Robson's desire to prolong the unbeaten sequence, which has been stretched across 16 internationals, has become almost an unhealthy obsession. Some reserves, should they be required in the World Cup, will

be dangerously short of experience.

The list of midfield choices was also limited by the absence of Bryan Robson (Butcher is to take over as

## Danish pride on trial at Wembley

By Steve Acton

RICHARD Moller Nielsen, who manages Denmark's football team in a full international for the first time at Wembley tonight, has been impressed enough by England this season to believe they can win the World Cup.

Nielsen, who was Sepp Piontek's assistant for eight years, and who will not name his team until today, said last night: "I have seen England's last two games, against Brazil and Czechoslovakia, and although they struggled for a time against Brazil, I was very impressed with them. Of course, it is important that they make a good start in the World Cup, but West Germany, Italy and England are my favourites."

Nielsen, who put his squad of 25 through a training session at the Bank of England ground at Roehampton last night, said, however, that Denmark will be taking the match extremely seriously.

"It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

He was speaking in the team hotel as a television crew prepared to film an episode of *The House of Cards*. With a couple of quick and elusive Laudrup brothers in the Danish side, he will trust that the tide bears no relevance to his own back four.

He is speaking in the team hotel as a television crew prepared to film an episode of *The House of Cards*. With a couple of quick and elusive Laudrup brothers in the Danish side, he will trust that the tide bears no relevance to his own back four.

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a

It means a lot to us," he said. "It was a great disappointment that we did not get to Italy, so this is a good opportunity to show the rest of Europe that we should have been there."

Nielsen said he will not be changing his tactics even though John Barnes, the Liverpool winger, will play a